CONFIDENTIAL

Form 3160-3
(July 1992)

FORM APPROVED
OMB NO. 1040-0136
Expires: February 28, 1995

# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*

## APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: UTU-0140740

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE

TYPE OF WORK: DRILL ☑ DEEPEN ☐

7. UNIT AGREEMENT NAME: ~~GYPSUM HILLS~~ NM PA

TYPE OF WELL: ☐ OIL WELL ☑ GAS WELL ☐ OTHER — SINGLE ZONE ☑ MULTIPLE ZONE ☐

8. FARM OR LEASE NAME, WELL NO.: GH 8MU-20-8-21

2. NAME OF OPERATOR: QEP UINTA BASIN, INC.
Contact: Jan Nelson
E-Mail: jan.nelson@questar.com

9.API NUMBER: 43-047-38157

3. ADDRESS: 11002 E. 17500 S. Vernal, Ut 84078
Telphone number: Phone 435-781-4331 Fax 435-781-4323

10. FIELD AND POOL, OR WILDCAT: GYPSUM HILLS

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*)
At Surface 621868X 2000' FNL 530' FEL SENE SECTION 20, T8S, R21E
At proposed production zone 4440785Y 40.110443 - 109.570063

11. SEC.,T, R, M, OR BLK & SURVEY OR AREA: SEC.20, T8S, R21E Mer SLB

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE*: 7 + / - MILES EAST OF OURAY, UTAH

12. COUNTY OR PARISH: Uintah

13. STATE: UT

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig,unit line if any): 530' + / -

16.NO.OF ACRES IN LEASE: 800.00

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18.DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft

19. PROPOSED DEPTH: 11,625'

20. BLM/BIA Bond No. on file: ESB000024

21. ELEVATIONS (Show whether DF, RT, GR, ect.): 4682.5' GR

22. DATE WORK WILL START: ASAP

23. Estimated duration: 20 days

24. Attachments

**The following,completed in accordance with the requirments of Onshore Oil and Gas Order No. 1, shall be attached to this form:**

1. Well plat certified by a registered surveyor.
2. A Drilling Plan
3. A surface Use Plan ( if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an exisiting bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

SIGNED Jan Nelson Name (printed/typed) Jan Nelson DATE 5-23-06

TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO. 43-047-38157 APPROVAL DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [signature] TITLE BRADLEY G. HILL ENVIRONMENTAL MANAGER DATE 06-07-06

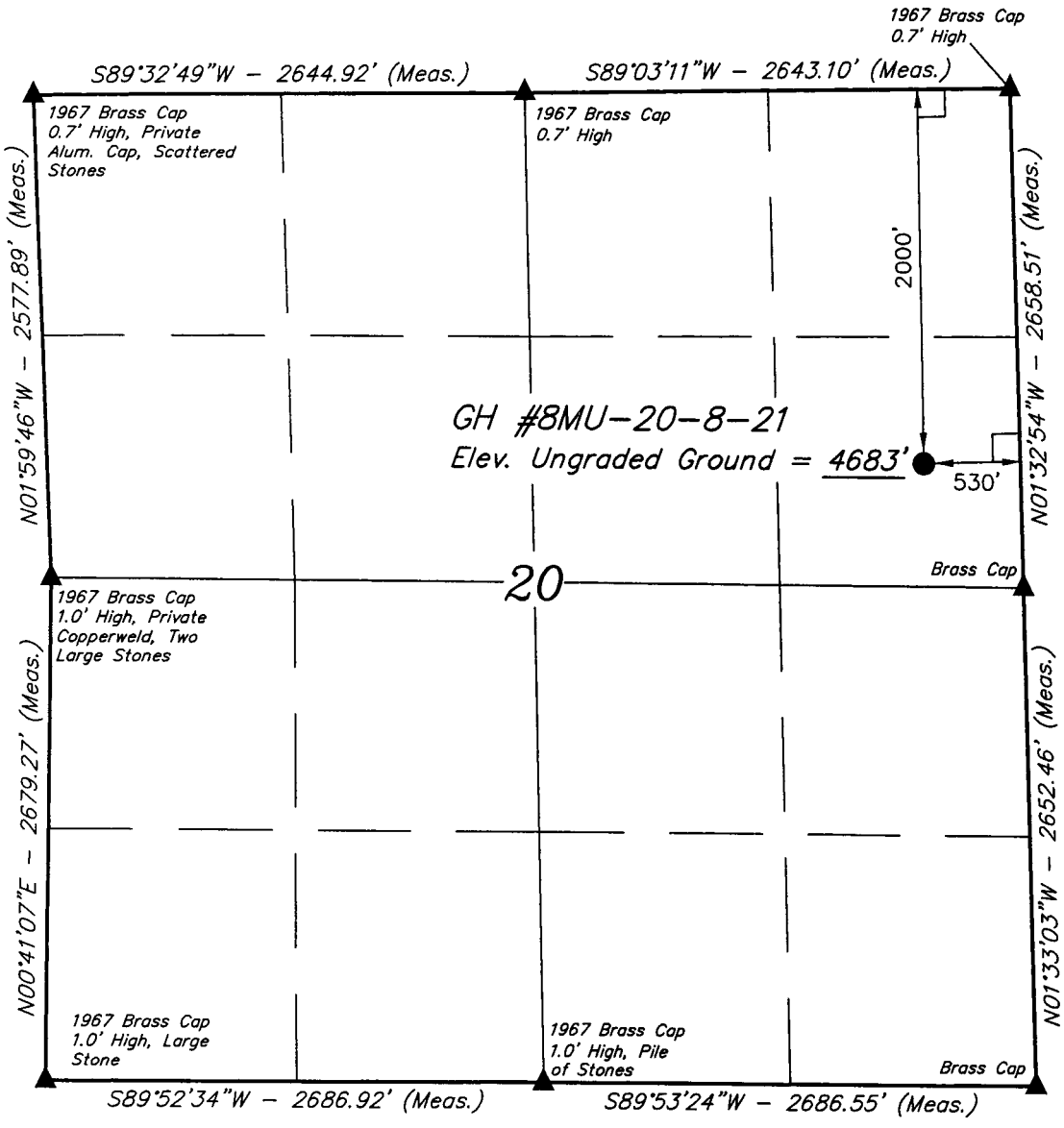
*See Instructions On Reverse Side

Title 18 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any mater within its jurisdiction

Federal Approval of this Action Is Necessary

RECEIVED
MAY 30 2006
DIV. OF OIL, GAS & MINING

# T8S, R21E, S.L.B.&M.




LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)

LATITUDE = 40°06'37.70" (40.110472)

LONGITUDE = 109°34'14.56" (109.570711)

(NAD 27)

LATITUDE = 40°06'37.83" (40.110508)

LONGITUDE = 109°34'12.07" (109.570019)

## QUESTAR EXPLR. & PROD.

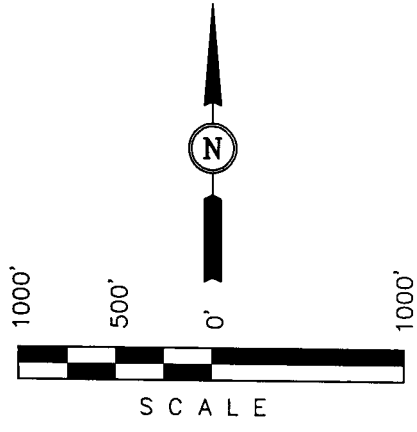
Well location, GH #8MU-20-8-21, located as shown in the SE 1/4 NE 1/4 of Section 20, T8S, R21E, S.L.B.&M. Uintah County, Utah.

## BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.




SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH


UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017


| | | |
|---|---|---|
| SCALE 1" = 1000' | DATE SURVEYED: 04-26-06 | DATE DRAWN: 04-28-06 |
| PARTY D.A. T.B. L.K. | REFERENCES G.L.O. PLAT | |
| WEATHER WARM | FILE QUESTAR EXPLR. & PROD. | |

**Additional Operator Remarks**

QEP Uinta Basin, Inc. proposes to drill a well to 11,625' to test the MesaVerde. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements"

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Please be advised that QEP Uinta Basin Inc. agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is QEP Uinta Basin Inc. via surety as consent as provided for the 43 CFR 3104.2.

ONSHORE OIL & GAS ORDER NO. 1
QEP UINTA BASIN, INC.
GH 8MU-20-8-21

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

| Formation | Depth | Prod. Phase Anticipated |
|---|---|---|
| Uinta | Surface | |
| Green River | 2435' | |
| Wasatch | 5920' | Gas |
| Mesa Verde | 9115' | |
| Sego | 11525' | |
| TD | 11625' | |

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

| Substance | Formation | Depth |
|---|---|---|
| Oil/Gas | Mesa Verde | 11625' |

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right # A36125 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes.

DRILLING PROGRAM

All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal Site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

3. Operator's Specification for Pressure Control Equipment:

A. 5,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)

B. Functional test daily

C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, (or 70% of burst whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.

D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 5M system and individual components shall be operable as designed.

4. Casing Program

| | Depth | Hole Size | Csg Size | Type | Weight |
|---|---|---|---|---|---|
| Surface | 1600' | 12 1/4" | 9-5/8" | J-55 | 36 lb/ft (new) LT&C |
| Production | 7500' | 8 3/4" | 4 –1/2" | P-110 | 11.60 lb/ft (new)LT&C |
| TD | 11625' | 7 7/8" | 4- 1/2" | P-110 | 11.60 lb/ft (new)LT&C |

5. Auxiliary Equipment

A. Kelly Cock – yes

B. Float at the bit – no

C. Monitoring equipment on the mud system – visually and/or PVT/Flow Show

D. Full opening safety valve on the rig floor – yes

E. Rotating Head – yes
If drilling with air the following will be used:

F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.

G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').

H. Compressor shall be tied directly to the blooie line through a manifold.

I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 11.5 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

6. Testing, logging and coring program

A. Cores – none anticipated

B. DST – none anticipated

Logging – Mud logging – 4500 to TD
GR-SP-Induction
Neutron Density
MRI

C. Formation and Completion Interval: Mesa Verde interval, final determination 0f completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

DRILLING PROGRAM

7. Cementing Program

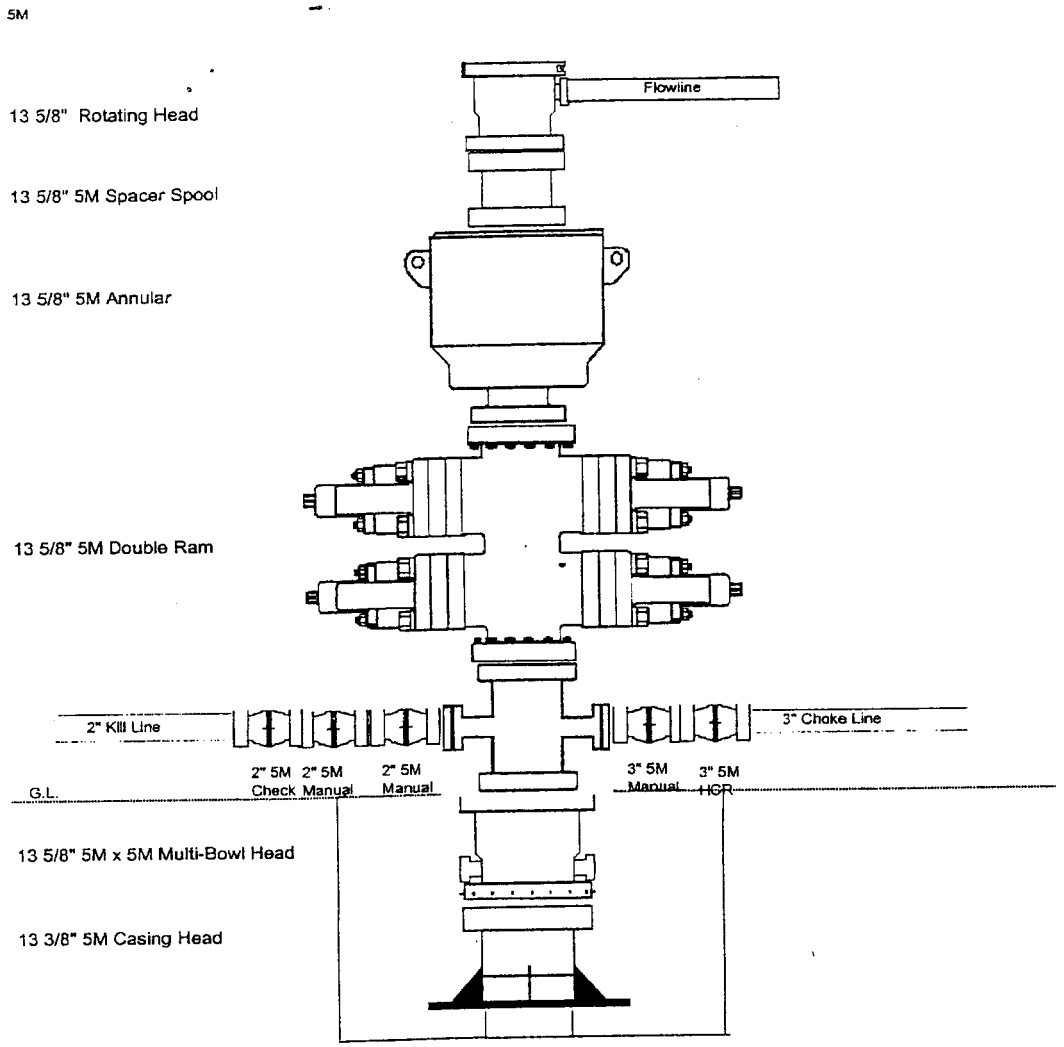
| Casing | Volume | Type & Additives |
|---|---|---|
| Surface | 913sx | Class "G" single slurry mixed to 15.6 ppg, yield = 1.19 cf/sx. Cement to surface with 160 cf (913sx) calculated. Tail plug used. Allowed to set under pressure |
| Production | Lead-795sx*<br>Tail-1870sx* | Lead/Tail oilfield type cement circulated in place .<br>Tail slurry: Class "G" + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.34 cf/sx. Tail to 5420' (±500' above production zone).<br><br>Cement Characteristics:<br>Lead slurry: Class "G" + extender and additives as required, mixed to 11.0 ppg, yield = 3.82 cf/sx. Lead to surface. Tail plug used. Allowed to set under pressure. |

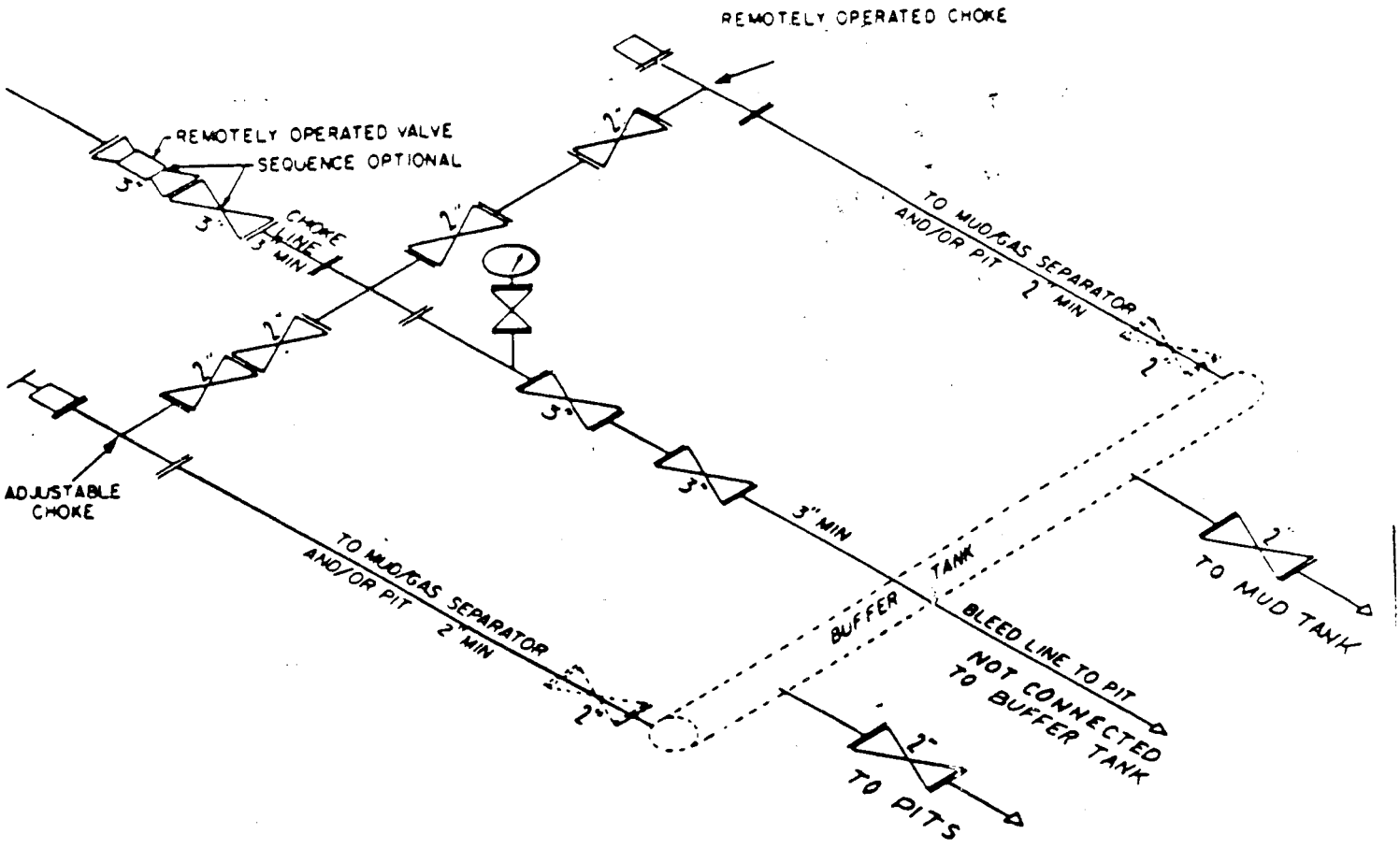
*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H2S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 5042.0 psi. Maximum anticipated bottom hole temperature is 140° F.

# EXHIBIT B
# SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK






② 5M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

[FR Doc. 88-28738 Filed 11-17-88; 8:45 am]
BILLING CODE 4310-84-C

**QEP UINTA BASIN, INC.**
**GH 8MU-20-8-21**
**2000' FNL 530' FEL**
**SENE, SECTION 20, T8S, R21E**
**UINTAH COUNTY, UTAH**
**LEASE # UTU-0140740**

**ONSHORE ORDER NO. 1**

**MULTI – POINT SURFACE USE & OPERATIONS PLAN**

1. **Existing Roads:**

The proposed well site is approximately 7 miles east of Ouray, Utah.

Refer to Topo Maps A and B for location of access roads within a 2 – mile radius.

There will be no improvements made to existing roads.

2. **Planned Access Roads:**

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Refer to Topo Map B for the location of the proposed access road.

3. **Location of Existing Wells Within a 1 – Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

Refer to Topo Map D for the location of the proposed pipeline.

5. **Location and Type of Water Supply:**

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

6. **Source of Construction Materials:**

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

7. **Methods of Handling Waste Materials:**

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

8. **Ancillary Facilities:**

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A pit liner is required. A felt pit liner will be required if bedrock is encountered.

10. **Plans for Reclamation of the Surface:**

Please see QEP Uinta Basin, Inc. Standard Operating Practices dated October 18, 2005, for Mesa Verde Formation Wells located in Red Wash, Wonsits Valley, Gypsum Hills, White River, Glen Bench, and Undesignated fields in Townships 07, 08 and 09 South, Ranges 21 to 25 East.

**Interim Reclamation**

Please see attached Interim Reclamation plan.

Once the well is put onto production, QEP will reclaim as much of the well pad as possible that will allow for operations to continue in a safe and reasonable manner. Reseeding will be done in the spring or fall of every year to allow winter precipitation to aid in the succuss of reclamation.

**Seed Mix:**

*Interim Reclamation:*
9 lbs Hycrest Crested Wheatgrass
3lbs Forage Kochia
*Final Reclamation:*
Seed Mix # 1 3 lbs. Fourwing Saltbush, 3 lbs. Indian Rice Grass, 1 lb. Needle & Threadgrass
4 lbs. Hycrest Crested Wheat

11. **Surface Ownership:**
Ute Tribe
PO Box 190
Ft. Duchesne, UT 84026
(435) 722-5141

12. **Other Information**

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted directly to the appropriate agencies by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

**Lessee's or Operator's Representative:**

Jan Nelson
Red Wash Rep.
QEP Uinta Basin, Inc.
11002 East 17500 South
Vernal, Utah 84078
(435) 781-4331

Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

QEP Uinta Basin Inc. will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by QEP Uinta Basin, Inc. it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Jan Nelson
Red Wash Representative

23-May-05
Date

# QUESTAR EXPLR. & PROD.

## GH #8MU-20-8-21

**LOCATED IN UINTAH COUNTY, UTAH**
**SECTION 20, T8S, R21E, S.L.B.&M.**

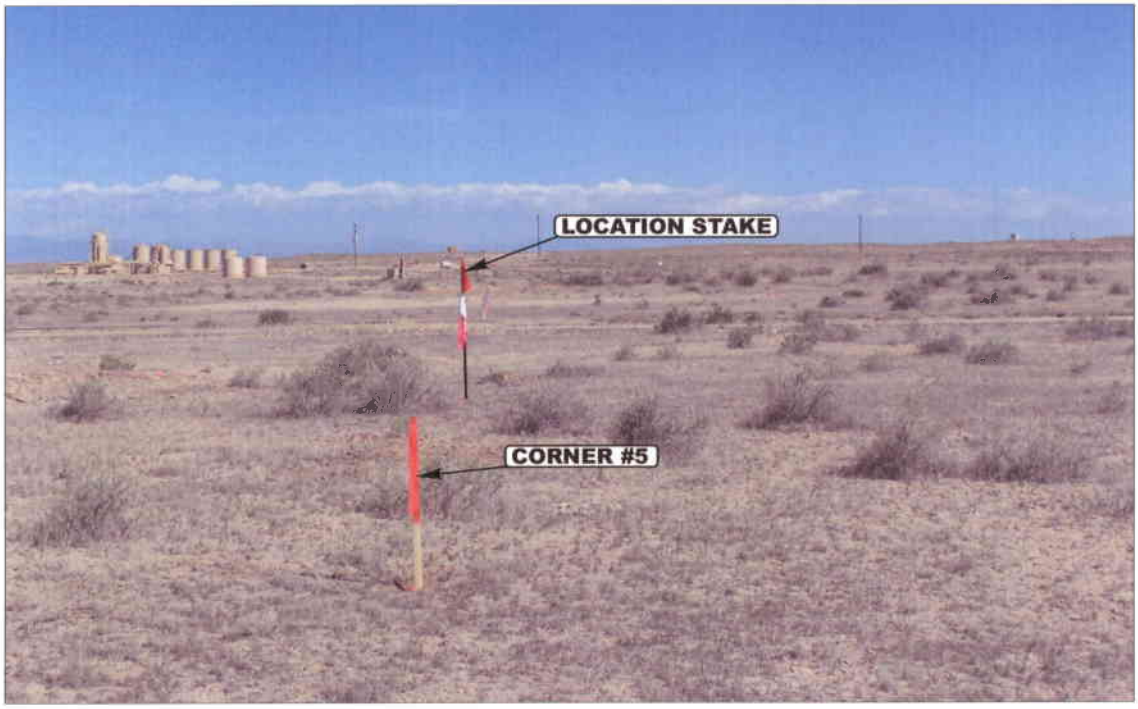



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE** **CAMERA ANGLE: NORTHERLY**

**PHOTO: VIEW OF EXISTING ACCESS** **CAMERA ANGLE: WESTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

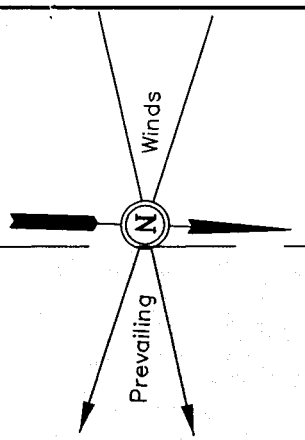
| LOCATION PHOTOS | 05 MONTH | 02 DAY | 06 YEAR | PHOTO |
|---|---|---|---|---|
| TAKEN BY: D.A. | DRAWN BY: C.P. | REVISED: 00-00-00 | | |

# QUESTAR EXPLR. & PROD.

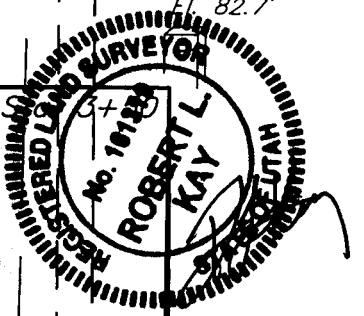
## LOCATION LAYOUT FOR

GH #8MU-20-8-21
SECTION 20, T8S, R21E, S.L.B.&M.
2000' FNL 530' FEL

FIGURE #1




SCALE: 1" = 50'
DATE: 04-28-06
Drawn By: L.K.




C-0.2'
El. 82.7'

C-0.2'
El. 82.7'

Anchor

Anchor

Anchor

48'

175'

GH #9

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Approx. Top of Cut Slope

PIPE TUBS

CATWALK

PIPE RACKS

FLARE PIT

C-0.6'
El. 83.1'

C-0.9'
El. 83.4'

RIG

48'

150'

Sta. 1+75

El. 82.9'
C-12.4'
(btm. pit)

70'

8'

MUD TANKS

DOG HOUSE

C-0.6'
El. 83.1'

RESERVE PITS
(12' Deep)

SLOPE 1-1/2 :1

10' WIDE BENCH

150'

Reserve Pit Backfill & Spoils Stockpile

LIGHT PLANT

BOILER

COMPRESSOR

PUMP HOUSE

MUD TANKS

BOOSTER

TOILET

TRAILER

WATER TANK

C-0.8'
El. 83.3'

Existing Access

Total Pit Capacity W/2' of Freeboard = 10,620 Bbls. ±
Total Pit Volume = 2,870 Cu. Yds.

Sta. 0+51

TRASH

PROPANE STORAGE

48'

33'

175'

El. 83.6'
C-13.1'
(btm. pit)

C-1.6'
El. 84.1'

C-1.7'
El. 84.2'

Sta. 0+00

Topsoil Stockpile

C-1.6'
El. 84.1'

C-1.5'
El. 84.0'

Existing Buried Waterline

Existing 3" Pipeline

A B C D 1 2 3 4 5 6 7

## NOTES:

Elev. Ungraded Ground At #8MU-20 Loc. Stake = 4683.4'
FINISHED GRADE ELEV. AT #8MU-20 LOC. STAKE = 4682.5'


UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

# QUESTAR EXPLR. & PROD.

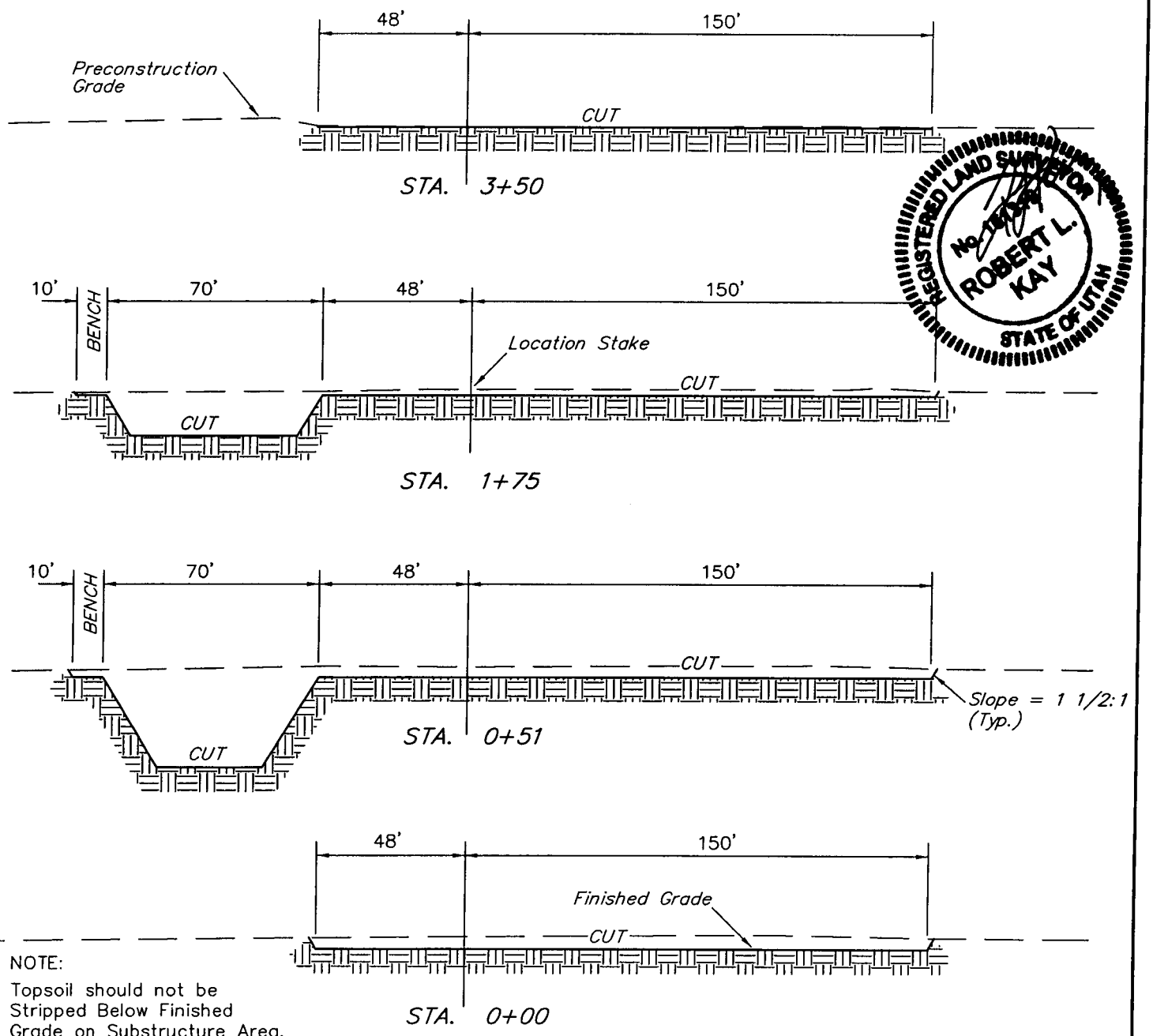
## TYPICAL CROSS SECTIONS FOR

GH #8MU-20-8-21
SECTION 20, T8S, R21E, S.L.B.&M.
2000' FNL 530' FEL

*FIGURE #2*

1" = 20'
X-Section Scale
1" = 50'

DATE: 04-28-06
Drawn By: L.K.




REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH

NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

## APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 2,500 Cu. Yds.
(New Construction Only)
Remaining Location = 3,590 Cu. Yds.

TOTAL CUT = 6,090 CU.YDS.
FILL = 360 CU.YDS.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

Excess Material = 5,730 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,900 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 1,830 Cu. Yds.


UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

# QUESTAR EXPLR. & PROD.

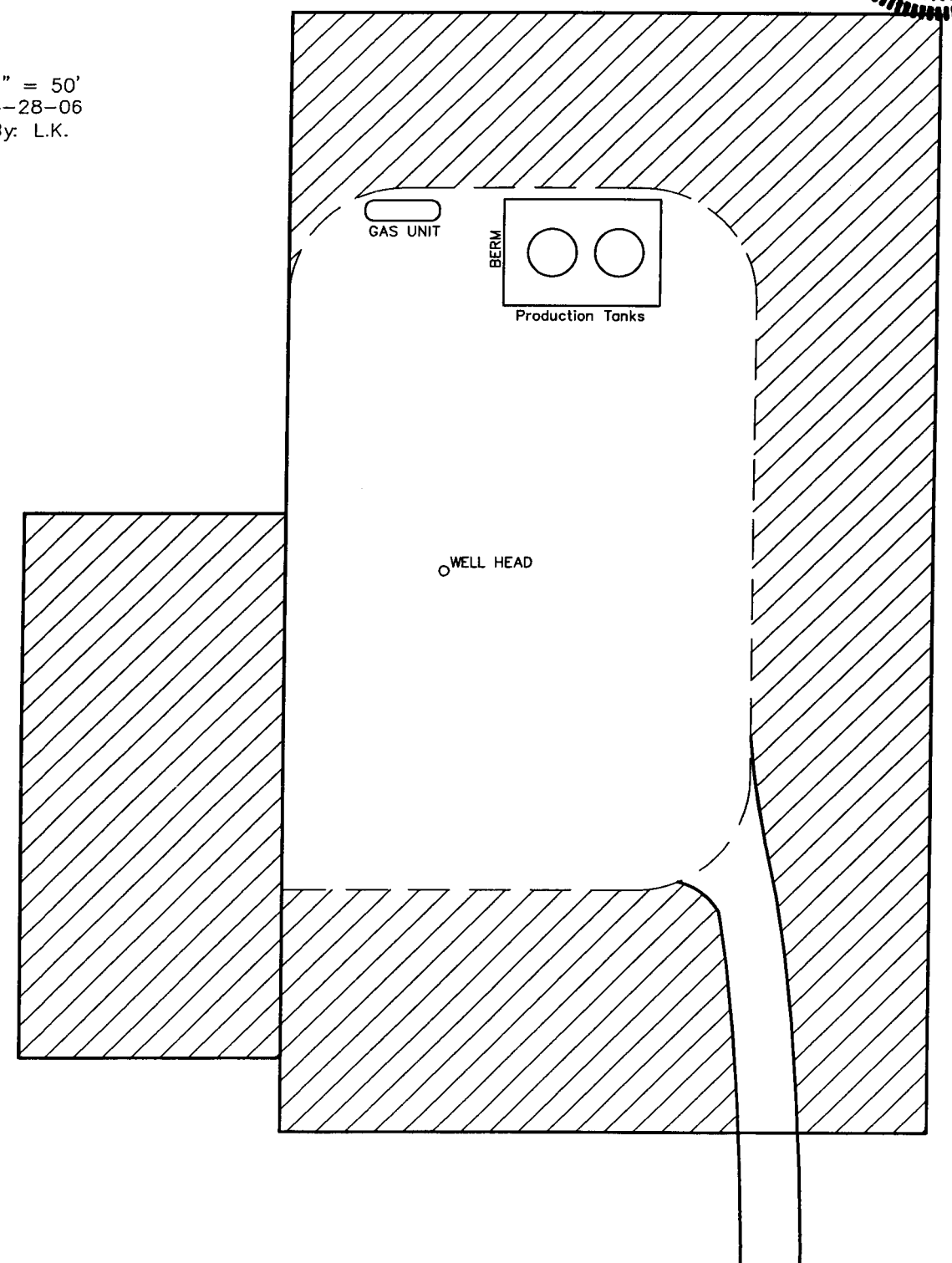
## INTERIM RECLAMATION PLAN FOR

GH #8MU-20-8-21
SECTION 20, T8S, R21E, S.L.B.&M.
2000' FNL 530' FEL

*FIGURE #3*

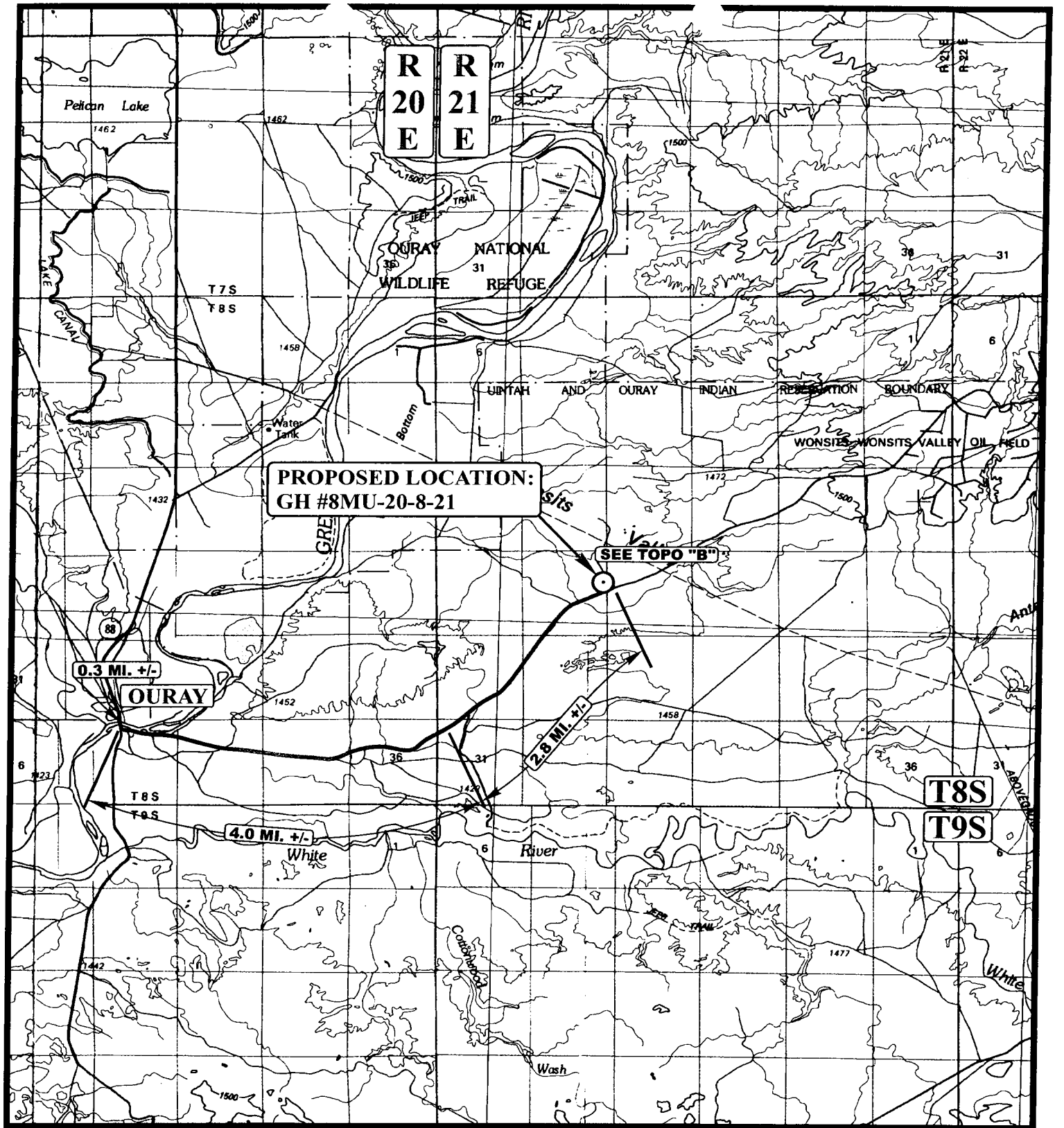
REGISTERED LAND SURVEYOR
No. 161319
ROBERT KAY
STATE OF UTAH

SCALE: 1" = 50'
DATE: 04-28-06
Drawn By: L.K.




INTERIM RECLAMATION

*UINTAH ENGINEERING & LAND SURVEYING*
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*




**LEGEND:**

⊙ PROPOSED LOCATION

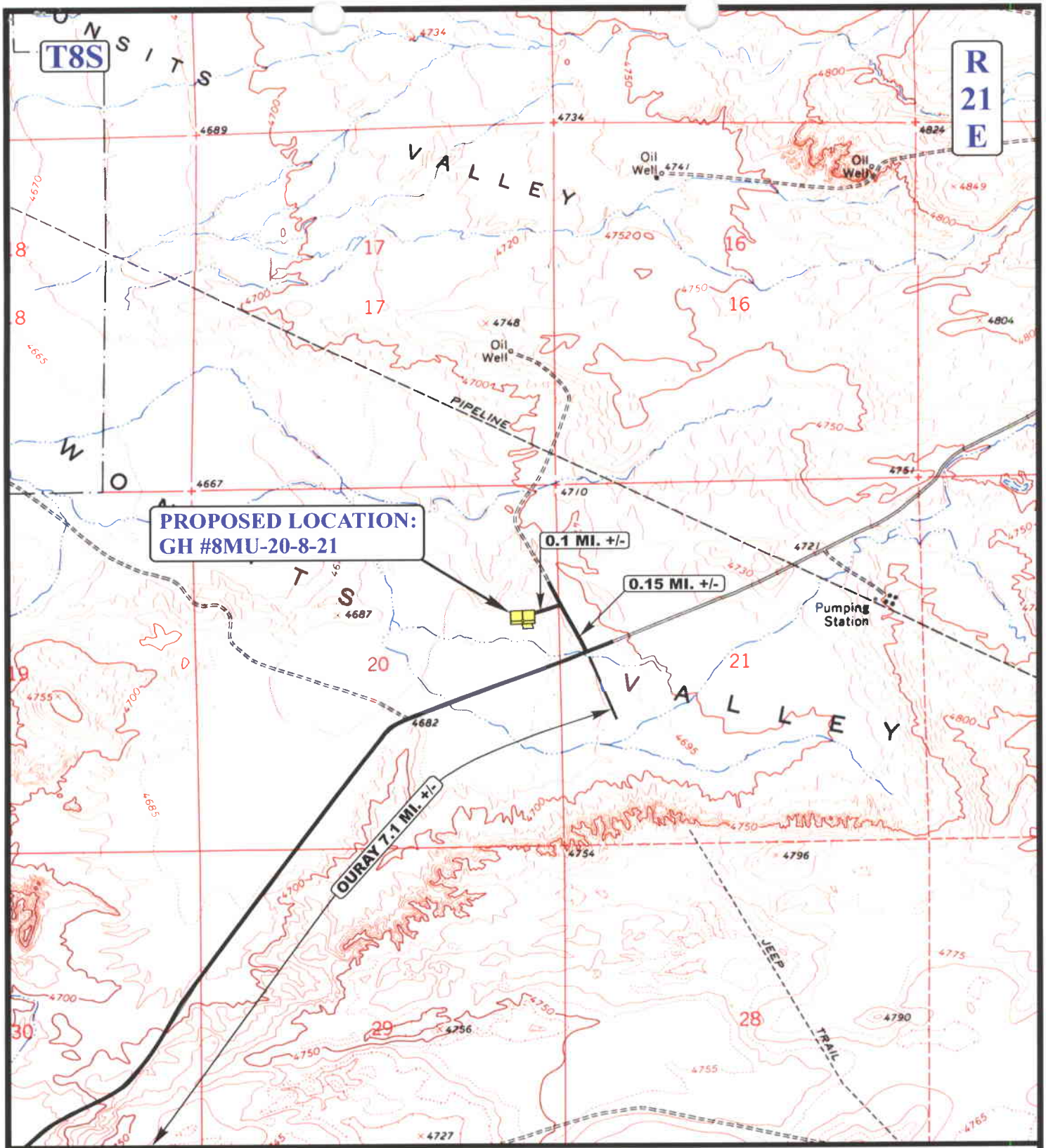
N

**QUESTAR EXPLR. & PROD.**

**GH #8MU-20-8-21**
**SECTION 20, T8S, R21E, S.L.B.&M.**
**2000' FNL 530' FEL**


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 05 MONTH | 02 DAY | 06 YEAR |
|---|---|---|---|
| SCALE: 1:100,000 | DRAWN BY: C.P. | REVISED: 00-00-00 | A TOPO |




## LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

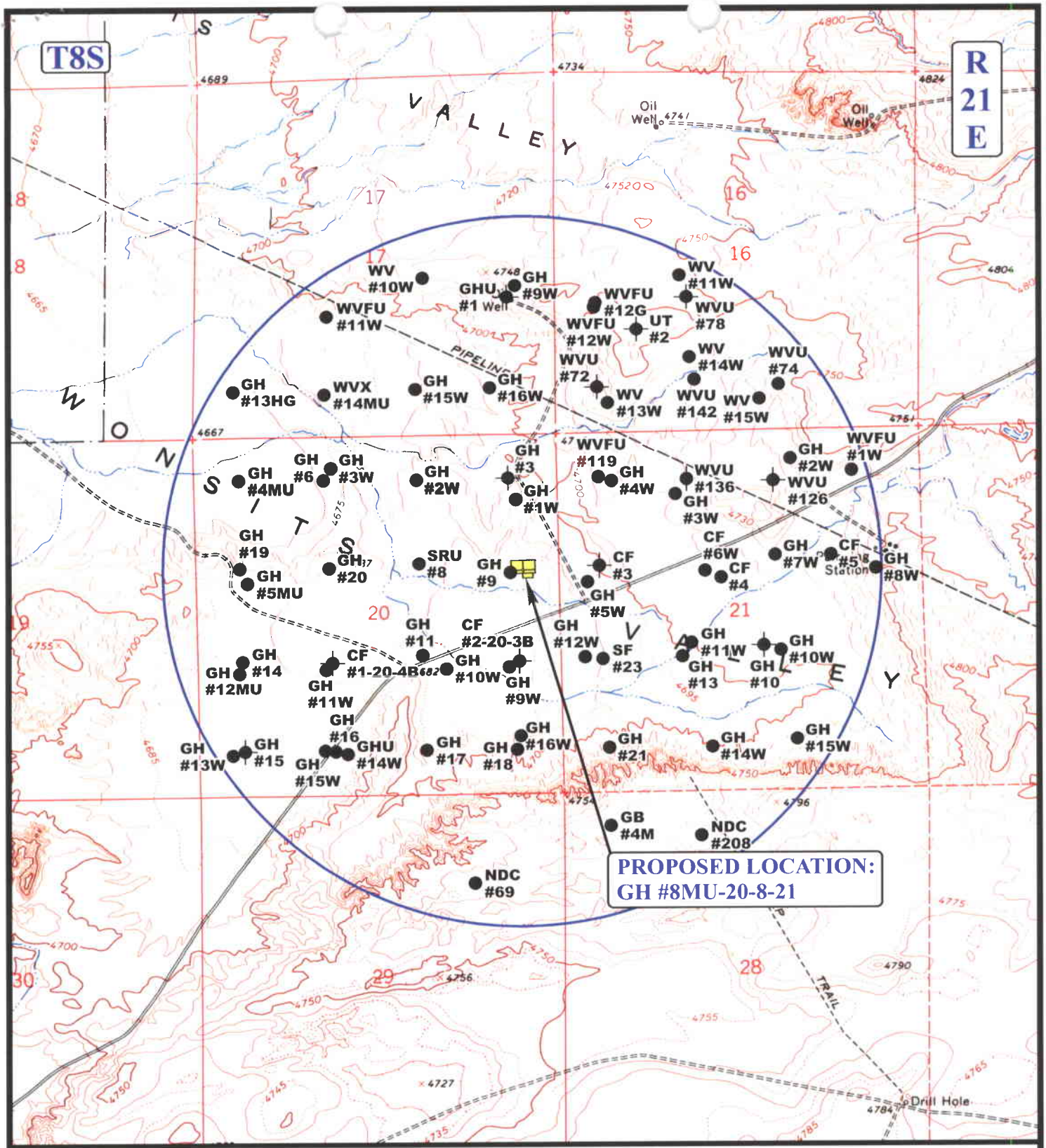
N

## QUESTAR EXPLR. & PROD.

GH #8MU-20-8-21
SECTION 20, T8S, R21E, S.L.B.&M.
2000' FNL 530' FEL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

| TOPOGRAPHIC MAP | 05 MONTH | 02 DAY | 06 YEAR | B TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: C.P. | REVISED: 00-00-00 | | |




## LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

## QUESTAR EXPLR. & PROD.

GH #8MU-20-8-21
SECTION 20, T8S, R21E, S.L.B.&M.
2000' FNL 530' FEL


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 05 MONTH | 02 DAY | 06 YEAR |
|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: C.P. | REVISED: 00-00-00 | C TOPO |

**WORKSHEET**

**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 05/30/2006

API NO. ASSIGNED: 43-047-38157

WELL NAME: GH 8MU-20-8-21

OPERATOR: QEP UINTA BASIN, INC. ( N2460 )

PHONE NUMBER: 435-781-4331

CONTACT: JAN NELSON

PROPOSED LOCATION:

SENE 20 080S 210E

SURFACE: 2000 FNL 0530 FEL

BOTTOM: 2000 FNL 0530 FEL

COUNTY: UINTAH

LATITUDE: 40.11044 LONGITUDE: -109.5701

UTM SURF EASTINGS: 621868 NORTHINGS: 4440785

FIELD NAME: GYPSUM HILLS ( 610 )

INSPECT LOCATN BY: / /

| Tech Review | Initials | Date |
|---|---|---|
| Engineering | | |
| Geology | | |
| Surface | | |

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0140740

PROPOSED FORMATION: MVRD

SURFACE OWNER: 2 - Indian

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. ESB000024 )

N Potash (Y/N)

N Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 49-2153 )

N RDCC Review (Y/N)
(Date: )

N/A Fee Surf Agreement (Y/N)

N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3. * Non PA

Unit: GYPSUM HILLS (GREEN RIVER)

✓ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

___ Drilling Unit

Board Cause No:

Eff Date:

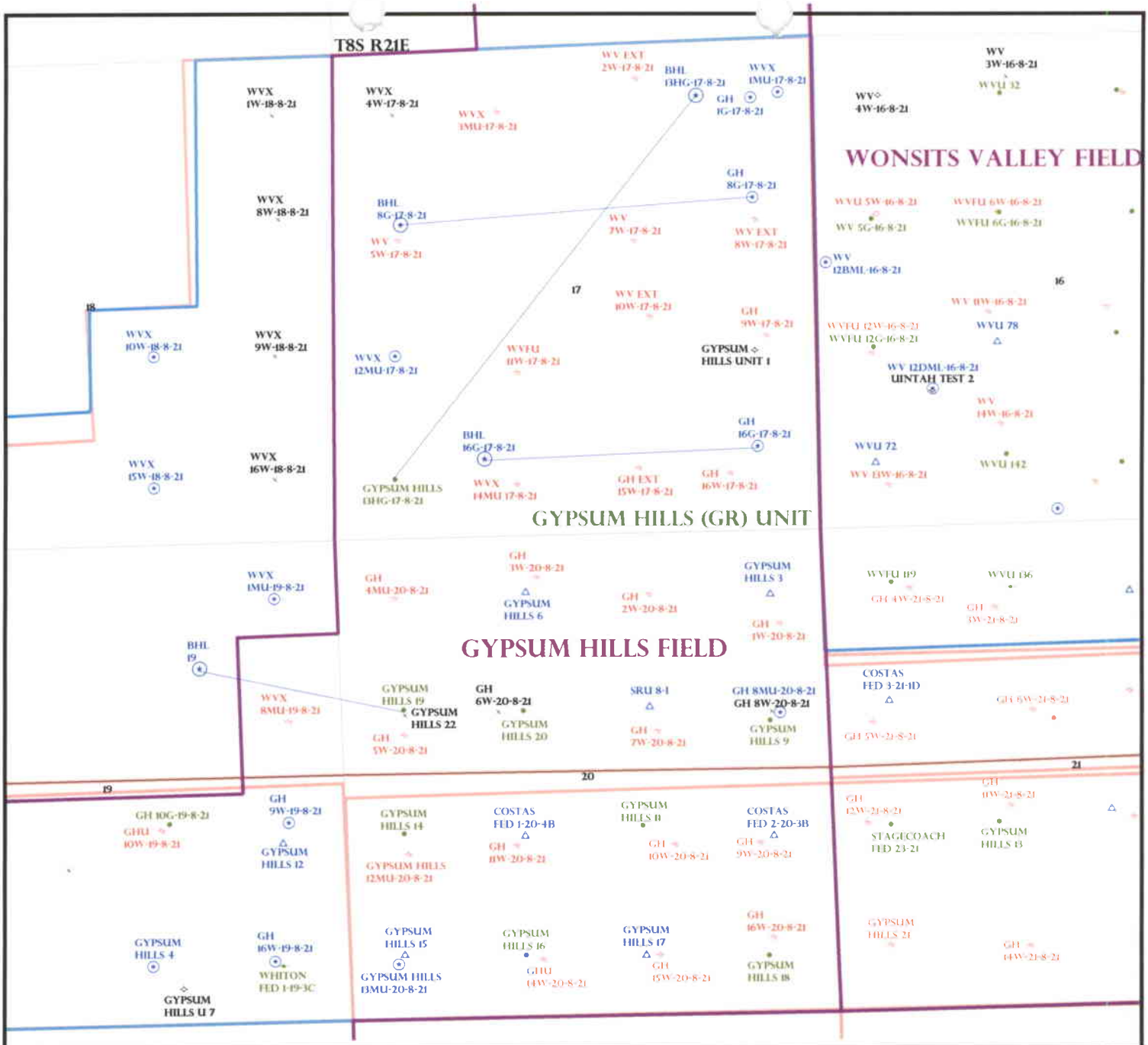
Siting:

___ R649-3-11. Directional Drill

COMMENTS: Sop, Separate file

STIPULATIONS: 1- Federal Approval

2- Spacing Slip




**OPERATOR:** QEP UINTA BASIN (N2460)

**SEC:** 20 **T.** 8S **R.** 21E

**FIELD:** GYPSUM HILLS (610)

**COUNTY:** UINTAH

**SPACING:** R649-3-2 / GENERAL SITING

**Field Status**
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

**Unit Status**
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

**Wells Status**
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N W E S

**PREPARED BY:** DIANA WHITNEY

**DATE:** 7-JUNE-2006

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
*Executive Director*

Division of Oil, Gas & Mining

JOHN R. BAZA
*Division Director*

JON M. HUNTSMAN, JR.
*Governor*

GARY R. HERBERT
*Lieutenant Governor*

June 7, 2006

QEP Uinta Basin, Inc.
11002 E 17500 S
Vernal, UT 84078

Re: GH-8MU-20-8-21 Well, 2000' FNL, 530' FEL, SE NE, Sec. 20, T. 8 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38157.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

**Operator:** QEP Uinta Basin, Inc.

**Well Name & Number** GH-8MU-20-8-21

**API Number:** 43-047-38157

**Lease:** UTU-0140740

**Location:** SE NE **Sec.** 20 **T.** 8 South **R.** 21 East

## Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

**Division of Oil, Gas and Mining**

# OPERATOR CHANGE WORKSHEET

| ROUTING |
|---|
| 1. DJJ |
| 2. CDW |

Change of Operator (Well Sold) **X - Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective: **1/1/2007**

| **FROM:** (Old Operator): | **TO:** ( New Operator): |
|---|---|
| N2460-QEP Uinta Basin, Inc. | N5085-Questar E&P Company |
| 1050 17th St, Suite 500 | 1050 17th St, Suite 500 |
| Denver, CO 80265 | Denver, CO 80265 |
| Phone: 1 (303) 672-6900 | Phone: 1 (303) 672-6900 |

**CA No.** **Unit:** **GYPSUM HILLS UNIT**

| WELL NAME | SEC | TWN | RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|---|---|---|---|---|---|---|---|---|
| SEE ATTACHED LISTS | | | | * | | | | |

## OPERATOR CHANGES DOCUMENTATION

**Enter date after each listed item is completed**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 1/31/2005

4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143

5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: n/a

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/23/2007 BIA

7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007

8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on:

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

## DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 4/30/2007 and 5/15/2007
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 4/30/2007 and 5/15/2007
3. Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
4. Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
5. Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

## BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 799446

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033

3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

## LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS: THIS IS A COMPANY NAME CHANGE.**
SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
GYPSUM HILLS UNIT

4/30/2007 and 5/15/2007

| Original Well Name | Well Name & No. | Q/Q | SEC | TWP | RNG | API | Entity | Lease | Well Type | Status |
|---|---|---|---|---|---|---|---|---|---|---|
| GYPSUM HILLS 3 | GH 3 | NENE | 20 | 080S | 210E | 4304720002 | 5355 | Federal | WI | A |
| GYPSUM HILLS 4 | GH 4 | SWSE | 19 | 080S | 210E | 4304730028 | 5355 | Federal | OW | P |
| GYPSUM HILLS 6 | GH 6 | NENW | 20 | 080S | 210E | 4304730099 | 5251 | Federal | WI | A |
| COSTAS FED 1-20-4B | GH 1-20 | NESW | 20 | 080S | 210E | 4304731006 | 5355 | Federal | WI | A |
| WHITON FED 1-19-3C | GH 1-19 | SESE | 19 | 080S | 210E | 4304731065 | 5355 | Federal | OW | P |
| COSTAS FED 2-20-3B | GH 2-20 | NESE | 20 | 080S | 210E | 4304731066 | 5355 | Federal | WI | A |
| STAGECOACH FED 23-21 | GH 23-21 | NWSW | 21 | 080S | 210E | 4304731541 | 5355 | Federal | OW | P |
| COSTAS FED 3-21-1D | GH 3-21 | SWNW | 21 | 080S | 210E | 4304731604 | 5355 | Federal | WI | A |
| COSTAS FED 4-21-1C | GH 4-21 | SENW | 21 | 080S | 210E | 4304731826 | 5355 | Federal | OW | P |
| COSTAS FED 5-21-2C | GH 5-21 | SENE | 21 | 080S | 210E | 4304731827 | 5355 | Federal | OW | P |
| SRU 8-I | GH 8-I | SWNE | 20 | 080S | 210E | 4304731932 | 5355 | Federal | WI | A |
| GYPSUM HILLS 9 | GH 9 | SENE | 20 | 080S | 210E | 4304732304 | 5355 | Federal | OW | P |
| GYPSUM HILLS 10 | GH 10 | NWSE | 21 | 080S | 210E | 4304732306 | 5355 | Federal | WI | A |
| GYPSUM HILLS 12 | GH 12 | NESE | 19 | 080S | 210E | 4304732458 | 5355 | Federal | WI | A |
| GYPSUM HILLS 11 | GH 11 | NWSE | 20 | 080S | 210E | 4304732459 | 5355 | Federal | OW | P |
| GYPSUM HILLS 13 | GH 13 | NESW | 21 | 080S | 210E | 4304732460 | 5355 | Federal | OW | P |
| GYPSUM HILLS 14 | GH 13 | NWSW | 20 | 080S | 210E | 4304732647 | 5355 | Federal | OW | P |
| GYPSUM HILLS 15 | GH 15 | SWSW | 20 | 080S | 210E | 4304732648 | 5355 | Federal | WI | A |
| GYPSUM HILLS 17 | GH 17 | SWSE | 20 | 080S | 210E | 4304732649 | 5355 | Federal | WI | A |
| GYPSUM HILLS 18 | GH 18 | SESE | 20 | 080S | 210E | 4304732650 | 5355 | Federal | OW | P |
| GYPSUM HILLS 19 | GH 19 | SWNW | 20 | 080S | 210E | 4304732651 | 5355 | Federal | OW | P |
| GYPSUM HILLS 20 | GH 20 | SENW | 20 | 080S | 210E | 4304732652 | 5355 | Federal | OW | P |
| GYPSUM HILLS 16 | GH 16 | SESW | 20 | 080S | 210E | 4304732675 | 5355 | Federal | OW | P |
| GHU 10W-19-8-21 | GH 10W-19-8-21 | NWSE | 19 | 080S | 210E | 4304733528 | 12736 | Federal | GW | P |
| GH 10G-19-8-21 | GH 10G-19-8-21 | NWSE | 19 | 080S | 210E | 4304733566 | 5355 | Federal | OW | P |
| WVFU 11W-17-8-21 | WV 11W-17-8-20 | NESW | 17 | 080S | 210E | 4304733912 | 13228 | Federal | GW | P |
| WV 5W-17-8-21 | WV 5W-17-8-21 | SWNW | 17 | 080S | 210E | 4304733954 | 13332 | Federal | GW | P |
| WV 7W-17-8-21 | WV 7W-17-8-21 | SWNE | 17 | 080S | 210E | 4304733956 | 13330 | Federal | GW | P |
| GH 9W-17-8-21 | GH 9W-17-8-21 | NESE | 17 | 080S | 210E | 4304734150 | 13392 | Federal | GW | P |
| GH 16W-17-8-21 | GH 16W-17-8-21 | SESE | 17 | 080S | 210E | 4304734156 | 13354 | Federal | GW | P |
| WV EXT 10W-17-8-21 | WVX 10W-17-8-20 | NWSE | 17 | 080S | 210E | 4304734561 | 13744 | Federal | GW | P |
| GH EXT 15W-17-8-21 | GHX 15W-17-8-20 | SWSE | 17 | 080S | 210E | 4304734562 | 13674 | Federal | GW | P |
| GYPSUM HILLS 13HG-17-8-21 | GHX 13HG-17-8-21 | SWSW | 17 | 080S | 210E | 4304734723 | 5355 | Federal | OW | S |
| GH 1G-17-8-21 | GH 1G-17-8-21 | NENE | 17 | 080S | 210E | 4304734927 | 5355 | Federal | OW | P |
| WV EXT 2W-17-8-21 | WVX 2W-17-8-20 | NWNE | 17 | 080S | 210E | 4304734928 | 14253 | Federal | GW | P |
| WV EXT 8W-17-8-21 | WVX 8W-17-8-20 | SENE | 17 | 080S | 210E | 4304734929 | 13792 | Federal | GW | P |
| GH 4MU-20-8-21 | GH 4MU-20-8-21 | NWNW | 20 | 080S | 210E | 4304735068 | 14213 | Federal | GW | P |
| GYPSUM HILLS 13MU-20-8-21 | GH 13MU-20-8-20 | SWSW | 20 | 080S | 210E | 4304735070 | 14817 | Federal | GW | P |
| GH 5W-20-8-21 | GH 5W-20-8-21 | SWNW | 20 | 080S | 210E | 4304735097 | 14557 | Federal | GW | P |
| WVX 3MU-17-8-21 | WVX 3MU-17-8-21 | NENW | 17 | 080S | 210E | 4304735318 | 14113 | Federal | GW | P |
| GH 15ML-18-8-21 | GH 15ML-18-8-21 | SWSE | 18 | 080S | 210E | 4304735323 | 15483 | Federal | GW | DRL |

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
GYPSUM HILLS UNIT

4/30/2007 and 5/15/2007

| Original Well Name | Well Name & No. | Q/Q | SEC | TWP | RNG | API | Entity | Lease | Well Type | Status |
|---|---|---|---|---|---|---|---|---|---|---|
| GH 1ML-19-8-21 | GH 1ML-19-8-21 | NENE | 19 | 080S | 210E | 4304735324 | 14824 | Federal | GW | P |
| GH 16W-19-8-21 | GH 16W-19-8-21 | SESE | 19 | 080S | 210E | 4304735325 | 14823 | Federal | GW | DRL |
| WVX 14MU 17-8-21 | WVX 14MU 17-8-21 | SESW | 17 | 080S | 210E | 4304735369 | 14098 | Federal | GW | P |
| WVX 12MU-17-8-21 | WVX 12MU-17-8-21 | NWSW | 17 | 080S | 210E | 4304735370 | 15108 | Federal | GW | P |
| WVX 8MU-19-8-21 | WVX 8MU-19-8-21 | SENE | 19 | 080S | 210E | 4304735372 | 14241 | Federal | GW | P |
| GH 10ML-18-8-21 | GH 10ML-18-8-21 | NWSE | 18 | 080S | 210E | 4304735391 | 15482 | Federal | GW | P |
| GH 8G-17-8-21 | GH 8G-17-8-21 | SENE | 17 | 080S | 210E | 4304737992 | 5355 | Federal | OW | DRL |
| GH 16G-17-8-21 | GH 16G-17-8-21 | SESE | 17 | 080S | 210E | 4304737993 | 5355 | Federal | OW | DRL |
| WVX 1MU-17-8-21 | WVX 1MU-17-8-21 | NENE | 17 | 080S | 210E | 4304738156 | | Federal | GW | APD |
| GH 8MU-20-8-21 | GH 8-20-8-21 | SENE | 20 | 080S | 210E | 4304738157 | | Federal | GW | APD |
| WVX 13MU-17-8-21 | WVX 13MU-17-8-21 | SWSW | 17 | 080S | 210E | 4304738188 | | Federal | GW | APD |
| WVX 6MU-17-8-21 | WVX 6MU-17-8-21 | SENW | 17 | 080S | 210E | 4304738189 | | Federal | GW | APD |
| WVX 4MU-17-8-21 | WVX 4MU-17-8-21 | NWNW | 17 | 080S | 210E | 4304738190 | | Federal | GW | APD |
| WVX 16MU-18-8-21 | WVX 16MU-18-8-21 | SESE | 18 | 080S | 210E | 4304738191 | | Federal | GW | APD |
| GH 2MU-19-8-21 | GH 2MU-19-8-21 | NWNE | 19 | 080S | 210E | 4304738192 | | Federal | GW | APD |
| GH 3MU-19-8-21 | GH 3MU-19-8-21 | NENW | 19 | 080S | 210E | 4304738250 | | Federal | GW | APD |
| GH 4MU-19-8-21 | GH 4MU-19-8-21 | NWNW | 19 | 080S | 210E | 4304738264 | | Federal | GW | APD |
| GH 5MU-19-8-21 | GH 5MU-19-8-21 | SWNW | 19 | 080S | 210E | 4304738265 | | Federal | GW | APD |
| GH 6MU-19-8-21 | GH 6MU-19-8-21 | SENW | 19 | 080S | 210E | 4304738266 | | Federal | GW | APD |
| GH 7MU-19-8-21 | GH 7D-19-8-21 | SWNE | 19 | 080S | 210E | 4304738267 | | Federal | GW | APD |
| GH 11MU-19-8-21 | GH 11MU-19-8-21 | NESW | 19 | 080S | 210E | 4304738268 | | Federal | GW | APD |
| GH 12MU-19-8-21 | GH 12MU-19-8-21 | NWSW | 19 | 080S | 210E | 4304738269 | | Federal | GW | APD |
| GH 15MU-19-8-21 | GH 15MU-19-8-21 | SWSE | 19 | 080S | 210E | 4304738270 | | Federal | GW | APD |
| GH 14MU-19-8-21 | GH 14MU-19-8-21 | SESW | 19 | 080S | 210E | 4304738472 | | Federal | GW | APD |
| WVX 1MU-18-8-21 | WVX 1MU-18-8-21 | NENE | 18 | 080S | 210E | 4304738659 | | Federal | GW | APD |
| WVX 9MU-18-8-21 | WVX 9MU-18-8-21 | NESE | 18 | 080S | 210E | 4304738660 | | Federal | GW | APD |
| WVX 8MU-18-8-21 | GH 8G-18-8-21 | SENE | 18 | 080S | 210E | 4304738661 | | Federal | GW | APD |
| GH 6MU-20-8-21 | GH 6-20-8-21 | SENW | 20 | 080S | 210E | 4304738662 | | Federal | GW | APD |

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

| | |
|---|---|
| 5. LEASE DESIGNATION AND SERIAL NUMBER: see attached | |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached | |
| 7. UNIT or CA AGREEMENT NAME: see attached | |
| 1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER | 8. WELL NAME and NUMBER: see attached |
| 2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY | 9. API NUMBER: attached |
| 3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 / PHONE NUMBER: (303) 308-3068 | 10. FIELD AND POOL, OR WILDCAT: |
| 4. LOCATION OF WELL<br>FOOTAGES AT SURFACE: attached<br>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: | COUNTY: Uintah<br>STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate)<br>Approximate date work will start: 1/1/2007 | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only)<br>Date of work completion: | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: Operator Name Change |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024)
Utah State Bond Number: 965003033
Fee Land Bond Number: 965003033
Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list

Jay B. Neese, Executive Vice President
Questar Exploration and Production Company

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE DATE 3/16/2007

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DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

| | |
|---|---|
| 5. LEASE DESIGNATION AND SERIAL NUMBER: see attached | |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached | |
| 7. UNIT or CA AGREEMENT NAME: see attached | |
| 1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER | 8. WELL NAME and NUMBER: see attached |
| 2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY | 9. API NUMBER: attached |
| 3 ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 — PHONE NUMBER: (303) 308-3068 | 10. FIELD AND POOL, OR WILDCAT: |
| 4. LOCATION OF WELL: FOOTAGES AT SURFACE: attached — QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: | COUNTY: Uintah — STATE: UTAH |

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: 1/1/2007 | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: Well Name Changes |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE [signature] DATE 4/17/2007

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# United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

TAKE PRIDE IN AMERICA

IN REPLY REFER TO
3180
UT-922

April 23, 2007

Questar Exploration and Production Company
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Gypsum Hills (GR) Unit
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Gypsum Hills (GR) Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Gypsum Hills (GR) Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Gypsum Hills (GR) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure
bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
File - Gypsum Hills (GR) Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files
UT922:TAThompson:tt:4/23/07

CONFIDENTIAL

FORM 9

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0140740

# SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: N/A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: GH 8MU-20-8-21

2. NAME OF OPERATOR: Questar Exploration & Production Company

9. API NUMBER: 4304738157

3. ADDRESS OF OPERATOR: 1571 E. 1700 S. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4031

10. FIELD AND POOL, OR WILDCAT: GYPSUM HILLS

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2000' FNL 530' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 20 8S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: APD EXTENSION |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Questar Exploration & Production Company hereby requests a 1 year extension on the GH 8MU-20-8-21.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 06-05-07

By:

RECEIVED
JUN 0 5 2007
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 6.6.07
Initials: DM

NAME (PLEASE PRINT) Laura Bills TITLE Regulatory Affairs

SIGNATURE Laura Bills DATE 6/1/2007

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

[redacted]

**Application for Permit to Drill**
**Request for Permit Extension**
**Validation**
(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-38157
**Well Name:** GH 8MU-20-8-21
**Location:** 2000' FNL 530' FEL, SENE, SEC. 20, T8S R21E.
**Company Permit Issued to:** QEP UINTA BASIN, INC.
**Date Original Permit Issued:** 6/7/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Signature

6/1/2007
Date

Title: Regulatory Affairs

Representing: Questar Exploration & Production Company

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0140740

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE

7. UNIT or CA AGREEMENT NAME: N/A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: GH 8MU-20-8-21

2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION CO.

9. API NUMBER: 4304738157

3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4301

10. FIELD AND POOL, OR WILDCAT: GYPSUM HILLS

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2000' FNL 530' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 20 8S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: APD EXTENSION |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Questar Exploration & Production Co. hereby requests a 1 year extension on the GH 8MU-20-8-21.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 06-02-08

By:

COPY SENT TO OPERATOR

Date: 6.4.2008

Initials: KS

NAME (PLEASE PRINT) Laura Bills TITLE Associate Regulatory Affairs Analyst

SIGNATURE Laura Bills DATE 5/30/2008

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RESET

**Application for Permit to Drill**
**Request for Permit Extension**
**Validation**
(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-38157
**Well Name:** GH 8MU-20-8-21
**Location:** 2000' FNL 530' FEL, SENE, SEC. 20, T8S, R21E
**Company Permit Issued to:** Questar Exploration & Production Co.
**Date Original Permit Issued:** 6/7/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Tawna Bills
Signature

4/23/2008
Date

Title: Associate Regulatory Affairs Analyst

Representing: Questar Exploration & Production Co.

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JUN 02 2008
DIV. OF OIL, GAS & MINING

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VERNAL FIELD OFFICE
2006 MAY 23 PM 2:24
DEPT. OF THE INTERIOR
BUREAU OF LAND MGMT

Form 3160-3
(July 1992)

FORM APPROVED
OMB NO. 1040-0136
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*

# APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. LEASE DESIGNATION AND SERIAL NO.: UTU-0140740

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE

7. UNIT AGREEMENT NAME: GYPSUM HILLS

TYPE OF WORK: DRILL ☑ DEEPEN ☐

TYPE OF WELL: ☐ OIL WELL ☑ GAS WELL ☐ OTHER — SINGLE ZONE ☑ MULTIPLE ZONE ☐

8. FARM OR LEASE NAME, WELL NO.: GH 8[illegible]-20-8-21

2. NAME OF OPERATOR: QEP UINTA BASIN, INC.
Contact: Jan Nelson
E-Mail: jan.nelson@questar.com

9. API NUMBER: 43-047-38157

3. ADDRESS: 11002 E. 17500 S. Vernal, Ut 84078
Telphone number: Phone 435-781-4331 Fax 435-781-4323

10. FIELD AND POOL, OR WILDCAT: GYPSUM HILLS

4. LOCATION OF WELL (Report location clearly and in accordance with and State requirements*)
At Surface: 2000' FNL 530' FEL SENE SECTION 20, T8S, R21E
At proposed production zone

11. SEC.,T, R, M, OR BLK & SURVEY OR AREA: SEC.20, T8S, R21E Mer SLB

14. DISTANCE IN MILES FROM NEAREST TOWN OR POSTOFFICE*: 7 + / - MILES EAST OF OURAY, UTAH

12. COUNTY OR PARISH: Uintah

13. STATE: UT

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (also to nearest drig,unit line if any): 530' + / -

16. NO.OF ACRES IN LEASE: 800.00

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED location to nearest well, drilling, completed, applied for, on this lease, ft

19. PROPOSED DEPTH: 11,625'

20. BLM/BIA Bond No. on file: ESB000024

21. ELEVATIONS (Show whether DF, RT, GR, ect.): 4682.5' GR

22. DATE WORK WILL START: ASAP

23. Estimated duration: 20 days

24. Attachments

**The following,completed in accordance with the requirments of Onshore Oil and Gas Order No. 1, shall be attached to this form:**

1. Well plat certified by a registered surveyor.
2. A Drilling Plan
3. A surface Use Plan ( if location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an exisiting bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

SIGNED Jan Nelson Name (printed/typed) Jan Nelson DATE 5-23-06

TITLE Regulatory Affairs

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY _____ TITLE Assistant Field Manager Lands & Mineral Resources DATE SEP 03 2008

*See Instructions On Reverse Side

Title 18 U.S.C Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any mater within its jurisdiction

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SEP 16 2008
DIV. OF OIL, GAS & MINING

UDOGM

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

07BM4584A

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

## *CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL*

| | | | |
|---|---|---|---|
| **Company:** | **Questar Exploration and Production** | **Location:** | **SENE, Sec.20, T8S, R21E** |
| **Well No:** | **GH 8MU-20-8-21** | **Lease No:** | **UTU-0140740** |
| **API No:** | **43-047-38157** | **Agreement:** | **N/A** |

| Title | Name | Office Phone Number | Cell Phone Number |
|---|---|---|---|
| Petroleum Engineer: | Matt Baker | (435) 781-4490 | (435) 828-4470 |
| Petroleum Engineer: | Michael Lee | (435) 781-4432 | (435) 828-7875 |
| Petroleum Engineer: | James Ashley | (435) 781-4470 | (435) 828-7874 |
| Petroleum Engineer: | Ryan Angus | (435) 781-4430 | (435) 828-7368 |
| Supervisory Petroleum Technician: | Jamie Sparger | (435) 781-4502 | (435) 828-3913 |
| Supervisory NRS: | Karl Wright | (435) 781-4484 | (435) 828-7381 |
| NRS/Enviro Scientist: | Holly Villa | (435) 781-4404 | (435) 828-3544 |
| NRS/Enviro Scientist: | James Hereford | (435) 781-3412 | |
| NRS/Enviro Scientist: | Chuck Macdonald | (435) 781-4441 | (435) 828-7481 |
| NRS/Enviro Scientist: | Dan Emmett | (435) 781-3414 | |
| NRS/Enviro Scientist: | Paul Percival | (435) 781-4493 | |
| NRS/Enviro Scientist: | Michael Cutler | (435) 781-3401 | (435) 828-3546 |
| NRS/Enviro Scientist: | Anna Figueroa | (435) 781-3407 | (435) 828-3548 |
| NRS/Enviro Scientist: | Verlyn Pindell | (435) 781-3402 | (435) 828-3547 |
| NRS/Enviro Scientist: | Darren Williams | (435) 781-4447 | (435) 828-4029 |
| NRS/Enviro Scientist: | Nathan Packer | (435) 781-3405 | (435) 828-3545 |
| | | **Fax: (435) 781-3420** | |

## A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

## NOTIFICATION REQUIREMENTS

| | | |
|---|---|---|
| Location Construction<br>(Notify Environmental Scientist) | - | Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion<br>(Notify Environmental Scientist) | - | Prior to moving on the drilling rig. |
| Spud Notice<br>(Notify Petroleum Engineer) | - | Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing<br>(Notify Supv. Petroleum Tech.) | - | Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests<br>(Notify Supv. Petroleum Tech.) | - | Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice<br>(Notify Petroleum Engineer) | - | Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

***SURFACE USE PROGRAM***
***CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**SITE SPECIFIC CONDITIONS OF APPROVAL**

- A 2,640 by 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.

- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.

- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.

- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.

- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.

- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.

- You are hereby notified that working under the *"umbrella"* of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.

- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.

- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.

- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.

- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.

- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.

- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.

- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

***DOWNHOLE PROGRAM***
***CONDITIONS OF APPROVAL (COAs)***

**SITE SPECIFIC DOWNHOLE COAs:**

- Oil shall not be used in the water based mud system without prior approval. Written request for approval shall be required.
- Operator is to notify gilsonite lease holder prior to pad explosives blasting. Well is close to gilsonite vein.
- Production casing cement shall be brought up and into the surface.
- A cement Bond Log (CBL) shall be run from the production casing shoe to the surface. A field copy of the CBL shall be submitted to the BLM Vernal Field Office.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

**OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Form 3160-5
(November 1994)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires July 31, 1996

**SUNDRY NOTICES AND REPORTS ON WELLS**

***Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.***

CONFIDENTIAL

***SUBMIT IN TRIPLICATE - Other Instructions on reverse side***

| | |
|---|---|
| 1. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other | 5. Lease Serial No.: UTU-0140740 |
| 2. Name of Operator: QUESTAR EXPLORATION & PRODUCTION, CO. Contact: Jan Nelson | 6. If Indian, Allottee or Tribe Name: UTE INDIAN TRIBE |
| 3a. Address: 11002 E. 17500 S. VERNAL, UT 84078 | 3b. Phone No. *(include area code)*: 435-781-4331 |
| 4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*: 2000' FNL 530' FEL, SENE, SECTION 20, T8S, R21E | 7. If Unit or CA/Agreement, Name and/or No.: N/A |
| | 8. Well Name and No.: GH 8MU-20-8-21 |
| | 9. API Well No.: 43-047-38157 |
| | 10. Field and Pool, or Exploratory Area: GYPSUM HILLS |
| | 11. County or Parish, State: UINTAH |

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | | |
|---|---|---|---|---|
| ☒ Notice of Intent | ☐ Acidize | ☒ Deepen | ☐ Production (Start/Resume) | ☐ Water Shut-Off |
| ☐ Subsequent Report | ☐ Alter Casing | ☐ Fracture Treat | ☐ Reclamation | ☐ Well Integrity |
| ☐ Final Abandonment Notice | ☐ Casing Repair | ☐ New Construction | ☐ Recomplete | ☒ Other NAME CHANGE |
| | ☒ Change Plans | ☐ Plug and Abandon | ☐ Temporarily Abandon | |
| | ☐ Convert to Injection | ☐ Plug Back | ☐ Water Disposal | |

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days Following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

QUESTAR EXPLORATION AND PRODUCTION COMPANY (QEP) REQUEST PERMISSION TO CHANGE THE DRILLING PLANS, INCREASE TOTAL DEPTH FROM 11,625' TO 17,034' FOR THIS WELL AND TO USE OIL BASE MUD FOR THE DRILLING OF THE FINAL SECTION OF THIS WELL TO IMPROVE DRILLING EFFICIENCY, WELLBORE STABILITY AND TO PROMOTE A GOOD CEMENT JOB OF THE PRODUCTION CASING. ATTACHED IS A DRILLING PLAN, WELLBORE DIAGRAM, DRILLING FLUID PROPOSAL AND A PROPOSAL FOR PROCESSING AND DISPOSAL OF THE OIL BASE MUD.

DUE TO THE PAD EXPANSION QEP MOVED LOCATION IN ORDER TO ACCOMMODATE THE LARGER DRILLING RIG. THE NEW FOOTAGES ARE AS FOLLOWS: 2083' FNL 379' FEL SENE, SECTION 20, T8S, R21E 621915X 40.110222 4440761Y -109.569516

**QEP IS REQUESTING TO CHANGE THE WELL NAME FROM GH 8MU-20-8-21 TO GH 8-20-8-21.**

QUESTAR EXPLORATION & PRODUCTION COMPANY (QEP) WILL PROVIDE THE PROPER PAPER WORK TO THE BUREAU OF INDIAN AFFAIRS AND UTE TRIBE.

FOR TECHNICAL QUESTIONS, PLEASE CONTACT JOHN OWEN, DRILLING CONSULTANT FOR QEP, AT (303) 308-3054.

14. I hereby certify that the foregoing is true and correct

| | |
|---|---|
| Name *(Printed/Typed)*: Jan Nelson | Title: Regulatory Affairs |
| Signature: Jan Nelson | Date: September 11, 2008 |

**THIS SPACE FOR FEDERAL OR STATE USE**

| | | |
|---|---|---|
| Approved by: Bradley G. Hill | Title: BRADLEY G. HILL | Date: 09-23-08 |
| Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. | Office: ENVIRONMENTAL MANAGER | |

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

COPY SENT TO OPERATOR
Date: 9.23.2008
Initials: KS

***Federal Approval of this Action is Necessary***

CONFIDENTIAL

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

## 1. Formation Tops

The estimated tops of important geologic markers are as follows:

| Formation | Depth |
|---|---|
| Uinta | Surface |
| Green River | 2,554 |
| Wasatch | 5,949' |
| Mesaverde | 9,124' |
| Sego | 11,591' |
| Castlegate | 11,699' |
| Blackhawk | 12,027' |
| Mancos Shale | 12,483' |
| Mancos B | 12,907' |
| Frontier | 15,724' |
| Dakota Silt | 16,614' |
| Dakota | 16,834' |
| TD | 17,034' |

## 2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

| Substance | Formation | Depth |
|---|---|---|
| Gas | Wasatch | 5,949' |
| Gas | Mesaverde | 9,124' |
| Gas | Blackhawk | 12,027' |
| Gas | Mancos Shale | 12,483' |
| Gas | Mancos B | 12,907' |
| Gas | Dakota | 16,834' |

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right # A36125 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal Site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

## 3. Operator's Specification for Pressure Control Equipment:

A. 13-5/8" 5000 psi double gate, 5,000 psi annular BOP (schematic included) from surface hole to 9-5/8" casing point. A 13-5/8" 10,000 psi double and single gate may be substituted based on contractor availability and substructure height of the drilling rig.

B. 11" or 13-5/8" 10,000 psi double gate, 10,000 psi single gate, 10,000 psi annular BOP (schematic included) from 9-5/8" casing point to total depth. The choice of BOP stacks is based on the drilling contractor's availability.

C. Functional test daily

D. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.

E. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 10M system and individual components shall be operable as designed.

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION COMPANY
GH 8-20-8-21

DRILLING PROGRAM

## 4. Casing Design:

| Hole Size | Csg. Size | Top (MD) | Bottom (MD) | Mud Weight | Wt. lb/ft | Grade | Thread | Cond. |
|---|---|---|---|---|---|---|---|---|
| 26" | 20" | sfc | 40-60' | N/A | Steel | Cond. | None | Used |
| 17-1/2" | 13-3/8" | sfc | 500' | N/A | 54.5 | K-55 | STC | New |
| 12-1/4" | 9-5/8" | sfc | 5,309' | 9.2 | 47 | HCP-110 | Flush Jnt ** | New |
| 8-1/2" | 7" | Surface | 9,000' | | 26 | HCP-110 | LTC | New |
| 8-1/2" | 7" | 9000' | 12,543' | 13.5 | 29 SDrift * | HCP-110 | LTC | New |
| 6-1/8" | 4-1/2" | sfc | 13,000' | | 15.1 | P-110 | LTC | New |
| 6-1/8" | 4-1/2" | 13,000' | 15,000' | | 15.1 | Q-125 | LTC | New |
| 6-1/8" | 4-1/2" | 15,000' | 17,034' | 15.1 | 16.6 | Q-125 | LTC | New |

| Casing Strengths: | | | | Collapse | Burst | Tensile (minimum) |
|---|---|---|---|---|---|---|
| 13-3/8" | 54.5 lb. | K-55 | STC | 1,130 psi | 2,730 psi | 547,000 lb. |
| 9-5/8" | 47 lb. | HCP-110 | LTC | 7,100 psi | 9,440 psi | 1,213,000 lb. |
| 7" | 26 lb. | HCP-110 | LTC | 7,800 psi | 9,950 psi | 693,000 lb. |
| 7" | 29 lb.* | HCP-110 | LTC | 9,200 psi | 11,220 psi | 797,000 lb. |
| 4-1/2" | 15.1 lb. | P-110 | LTC | 14,350 psi | 14,420 psi | 406,000 lb. |
| 4-1/2" | 15.1 lb. | Q-125 | LTC | 15,840 psi | 16,380 psi | 438,000 lb. |
| 4-1/2" | 16.6 lb. | Q-125 | LTC | 19,010 psi | 18,130 psi | 493,000 lb. |

*** Special Drift**
**** Flush Jnt – VAM SLIJ II or LT&C based on availability**
**MINIMUM DESIGN FACTORS:**

COLLAPSE: 1.125
BURST: 1.10
TENSION: 1.80

Area Fracture Gradient: 0.9 psi/foot
Maximum anticipated mud weight: 14.8 ppg
Maximum surface treating pressure: 12,500 psi

## 5. Cementing Program

**20" Conductor:**
Cement to surface with construction cement.

**13-3/8" Surface Casing: sfc – 500' (MD)**
**Slurry:** 0' – 500'. 610 sxs (731 cu ft) Premium cement + 0.25 lbs/sk Flocele + 2% $CaCl_2$. Slurry wt: 15.6 ppg, slurry yield: 1.20 $ft^3$/sx, slurry volume: 17-1/2" hole + 100% excess.

**9-5/8" Intermediate Casing: sfc – 5,309' (MD)**
**Lead Slurry:** 0' – 4,809'. 1185 sks (367 bbls) Foamed Lead 50/50 Poz cement + 0.1 % FDP-C766-05 (Low Fluid Loss Control) + 5 #/sx Silicate Compacted + 20 % SSA-1 + 0.1 % Versaset + 1.5 % Zonesealant 2000 (foamer) Slurry wt: 14.3 ppg, (unfoamed) or 11.0 ppg (foamed). Slurry yield: 1.47 $ft^3$/sk (unfoamed), Slurry volume: 12-1/4" hole + 35% excess.
**Tail Slurry:** 4,809' – 5,309'. 115 sks (30 bbls) Tail 50/50 Poz cement + 0.1 % FDP-C766-05 (Low Fluid Loss Control) + 5 #/sx Silicate Compacted + 20 % SSA-1 + 0.1 % Versaset. Slurry wt: 14.3 ppg, Slurry yield: 1.47 $ft^3$/sk, Slurry volume: 12-1/4" hole + 35% excess.

**7" Intermediate Casing: sfc - 12,543' (MD)**
**Foamed Lead Slurry 2:** 0' – 12,043'. 1662 sks (2444 cu ft) 0.1% HALAD-766 (Low Fluid Loss Control); Slurry Yield: 1.47 $ft^3$/sk; 5 lbm/sk Silicalite Compacted (Light Weight; Additive) Total Mixing Fluid: 6.40 Gal/sk; 20 % SSA-1 (Heavy Weight Additive); 0.1 % Versaset (Thixotropic Additive); 1.5 % FDP-C760-04 (Foamer) 35% excess.
**Tail Slurry:** 12,043' – 12,543'. 60 sks (79.3 cu ft) 0.1% HALAD-766 (Low Fluid Loss Control) Slurry Yield: 1.47 $ft^3$/sk; 5 lbm/sk Silicalite Compacted (Light Weight Additive) Total Mixing Fluid: 6.40 Gal/sk; 20 % SSA-1 (Heavy Weight Additive); 0.1% Versaset (Thixotropic Additive); 1.5% FDP-C760-04 (Foamer).

**4-1/2" Production Casing: sfc - 17,034' (MD)**
**Lead/Tail Slurry:** 6,000' - 17,034'. 942 sks (1402 cu ft) Premium Cement + 17.5% SSA-1, + 4% Microbond HT, + 0.2% Halad 344 + 0.5% Halad 413, + 0.3% CFR-3, + 0.9% HR-12, + 0.2% Super CBL, + 0.2% Suspend HT, 17.5% SSA-2. Slurry wt: 16.2 ppg, Slurry yield: 1.49 $ft^3$/sk, Slurry volume: 6-1/8" hole + 35% in open hole section.

*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface on the intermediate strings and 6,000' on the production string. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

DRILLING PROGRAM

## 6. Auxiliary Equipment

A. Kelly Cock – yes

B. Float at the bit – yes

C. Monitoring equipment on the mud system – visually and/or PVT/Flow Show

D. Full opening safety valve on the rig floor – yes

E. Rotating Head – yes
If drilling with air the following will be used:

F. Request for Variance

Drilling surface hole with air:

A variance from 43 CFR 3160 Onshore Oil and Gas Order #2, Section III Requirements, subsection E. Special Drilling Operations is requested for the specific operation of drilling and setting surface casing on the subject well with a truck mounted air rig. The variance from the following requirements of Order #2 is requested because surface casing depth for this well is 500 feet and high pressures are not expected.

1. **Properly lubricated and maintained rotating head** – A diverter system in place of a rotating head. The diverter system forces the air and cutting returns to the reserve pit and is used to drill the surface casing.
2. **Blooie line discharge 100 feet from wellbore and securely anchored** – the blooie line discharge for this operation will be located 50 to 70 feet from the wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.
3. **Automatic ignitor or continuous pilot light on blooie line** – a diffuser will be used rather than an automatic pilot/ignitor. Water is injected into the compressed air and eliminates the need for a pilot light and the need for dust suppression equipment.
4. **Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the wellbore** – compressors located within 50 feet on the opposite side of the wellbore from the blooie line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valves on the compressors, 3) spark arrestors on the motors.
5. **Kill Fluid to control well** – In lieu of having mud products on location to kill the well for an unanticipated kick, Questar will kill the well with water contained in a

400 bbl tank on site. The 400 bbl water tank will also be storage for surface casing cement water.

6. **Deflector on the end of the blooie line** – Questar will mount a deflector unit at the end of the blooie line for the purpose of changing the direction and velocity of the air and cuttings flow into the reserve pit. Changing the velocity and direction of the cuttings and air will preserve the pit liner. In the event the deflector washes out due to erosion caused by the sand blasting effect of the cuttings, there will be no problem because the deflector is mounted on the very end of the blooie. A washed out deflector will be easily replaced.
7. **Flare Pit** – there will be no need of a flare pit during the surface hole air drilling operation because the blooie line is routed directly to the reserve pit. When the big rig arrives for the main drilling after setting surface casing, a flare box will be installed and all flare lines will be routed to the flare box.

G. All other operations and equipment for air/gas drilling shall meet specifications in Onshore Order #2, Section III Requirements, subsection E. Special Drilling Operations and Onshore Order #1.

Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Intermediate holes will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. The production hole will be drilled with oil base mud (OBM). No chromates will be used. Maximum anticipated mud weight is 14.8 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow Show will be used from base of surface casing to TD.

Gas detector will be used from surface casing depth to TD.

## 7. Testing, logging and coring program

A. Cores – none anticipated

B. DST – none anticipated

C. Logging – Mud logging – 2500' to TD
GR-SP-Induction, Neutron Density, FMI

D. Formation and Completion Interval: Mancos interval, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

DRILLING PROGRAM

**8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards**

No abnormal temperatures or pressures are anticipated. No H2S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 13,000 psi. Maximum anticipated bottom hole temperature is 310° F.

**9. Additional Information For Oil Base Mud**

**A.** See attached diagram of well pad layout. A reserve pit will be constructed for this location. This pit will be constructed so that a minimum of two vertical feet of freeboard exists above the top of the pit at all times and at least one-half of the holding capacity will be below ground level. The pit will be lined with a synthetic reinforced liner, 30 millimeters thick, with sufficient bedding used to cover any rocks prior to putting any fluids into the pit. The pad will be designed so that runoff from adjacent slopes does not flow into the reserve pit. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. At the beginning of drilling operations this reserve pit will have an open-ended dike placed in the pit that allows the fluids to migrate from one side of the pit to the other during the drilling of the surface and intermediate hole using water based mud. At the time that operations begin to drill the production hole with oil base mud, this dike will be extended, dividing the pit into two distinct, isolated halves allowing no migration of fluids from one side to the other. At that time all fluids will be removed from the end of the pit to be used as a cuttings pit. This cuttings pit will be used for oil based cuttings generated during drilling of the production hole.

**B.** Oil-base mud will be mixed in the closed circulating system and transferred to four 500-bbl tanks on location for storage prior to and after drilling operations. Drip pans will be installed below the rotary beams on the substructure and can be viewed on site from the cellar area. As the production section of the hole is drilled, the cuttings transported to the surface with the drilling fluid will be mechanically separated from the drilling fluid as waste by two shale-shakers and then cleaned/dried via a mud cleaner and/or centrifuge. These separated cuttings will be transferred to the cuttings pit nearest the shakers and stored in this cuttings pit for solidification after the rig is released and moved off location.

**C.** The means to transport the cuttings from the solids control equipment to the OBM cuttings pit will be by 10" PVC pipe or equivalent steel piping. Water will be pumped to the solids control equipment and will convey the OBM cuttings from the solids

control equipment to the OBM cuttings pit via the PVC pipe. The water will be recycled multiple times from the cuttings pit to continue to transport the cuttings to the cuttings pit. The conveyance system will be enclosed on the solids control end to prevent spills. The conveyance piping system at the cuttings pit end will be placed on top of pit liner to eliminate absorption of fluids into the soil.

**D.** Plastic material will underlay the rig, oil base mud/diesel storage tanks and mud pits. All tanks on location will be placed inside of berms. Any oily waste fluids and sediments generated at the work site during drilling operations or when cleaning the fluid containment system after drilling will also be placed into the cuttings half of the pit.

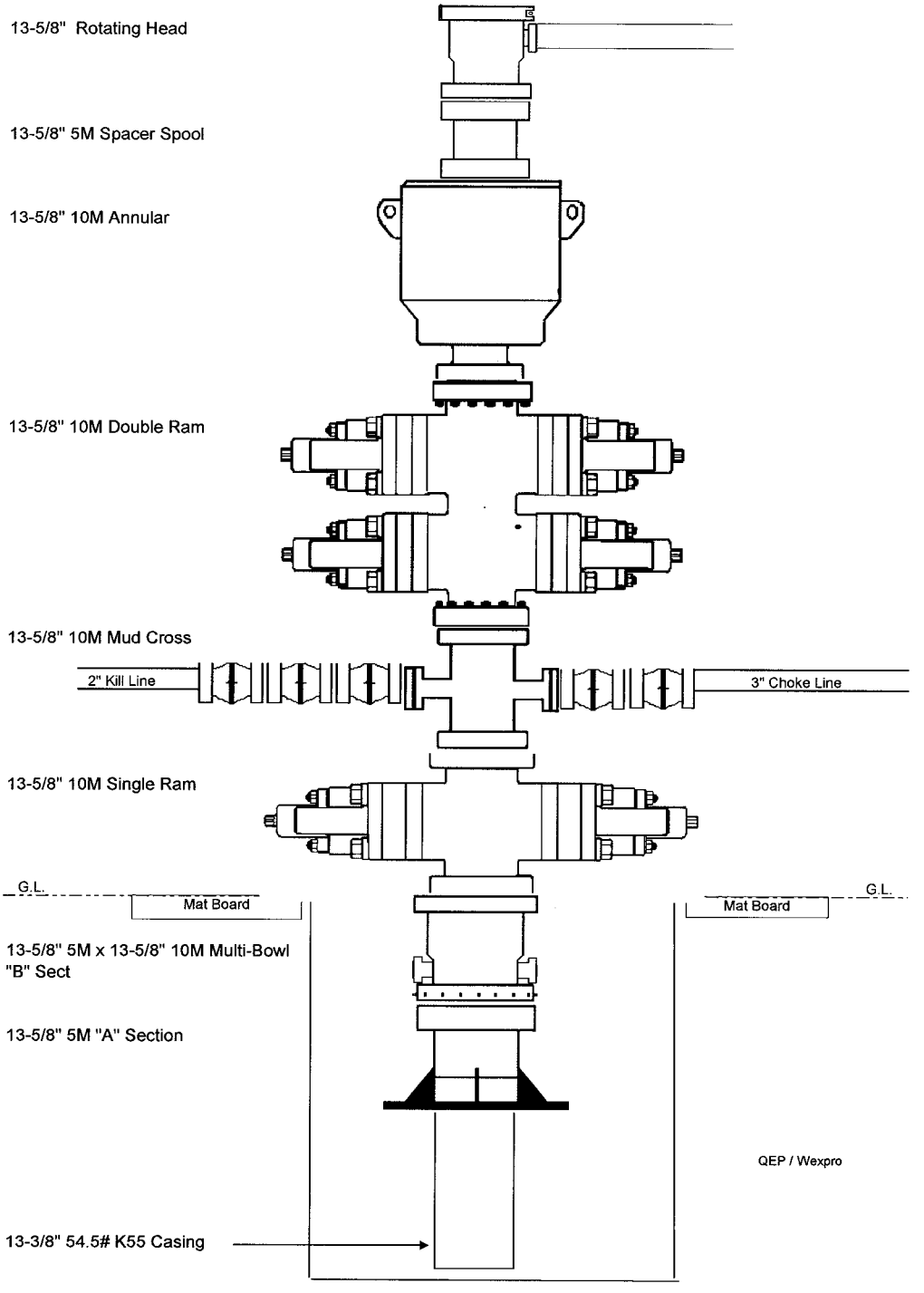
**E.** All rig ditches will be lined and directed to a lined sump for fluid recovery. A drip pan will be installed on the BOP stack, a mud bucket will be utilized as needed on connections and a vacuum system will be used on the rig floor for fluid recovery in those areas.

**F.** Once all waste has been placed in the cuttings portion of the pit and all necessary approvals obtained, the oilfield waste management consultant Soli-Bond or a similar company will mobilize equipment and personnel to the site to perform the cement based solidification/stabilization process in-situ for encapsulation. Soil will be backfilled over the processed material used on the cuttings side of the pit and that portion of the pit area will be returned to the existing grade bordering the pit. Please see the attached Soli-Bond Proposal for Processing and Disposal of Drilling Waste for specific details. The half of the reserve pit containing water base materials will be left to evaporate and will be closed and reclaimed at the time that portion of the pit is dry.

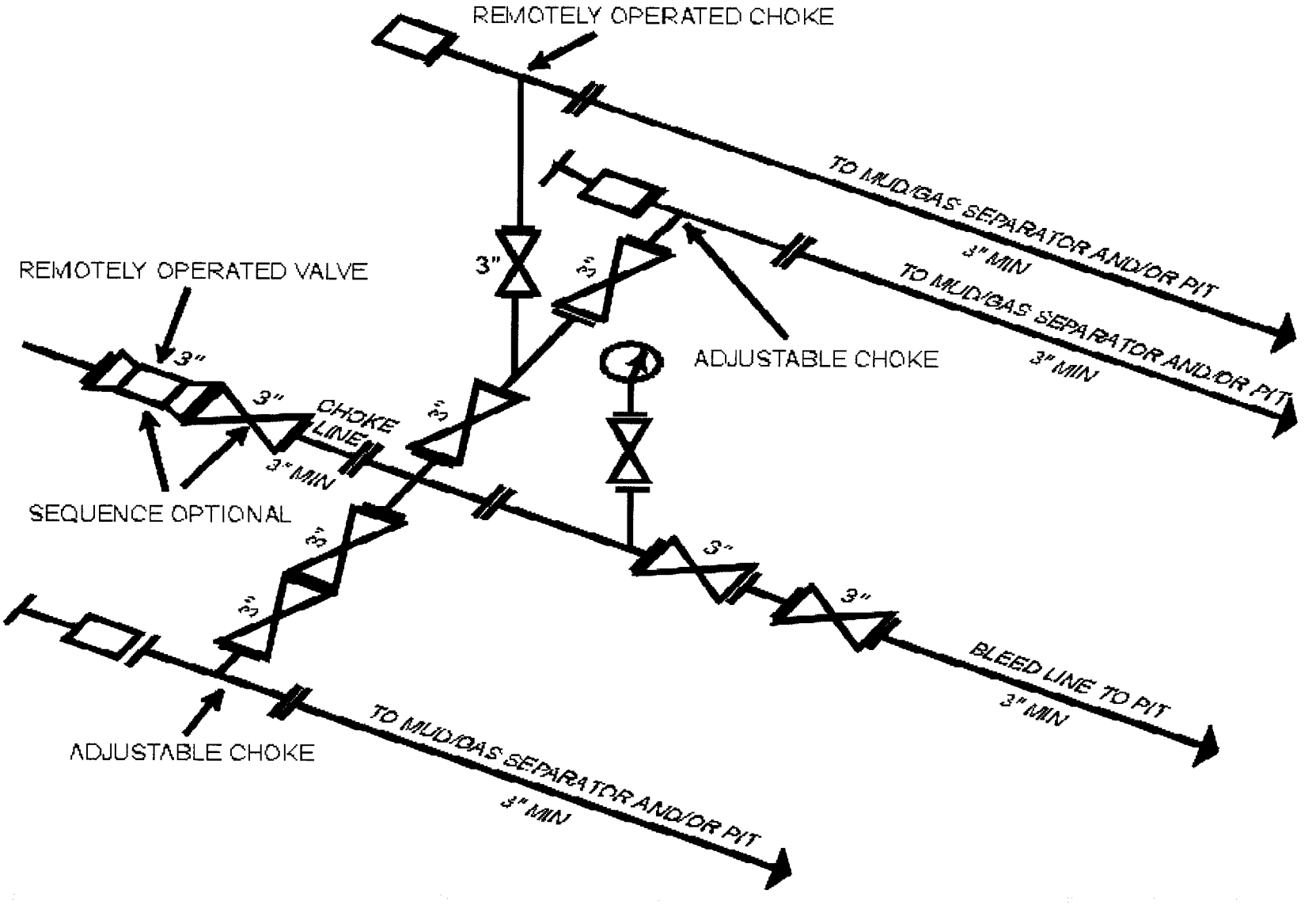
ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION COMPANY
GH 8-20-8-21

# DRILLING PROGRAM

**BOP Requirements:**



Attachment I. Diagrams of Choke Manifold Equipment




I-4 10M and 15M Choke Manifold Equipment -- Configuration of chokes may vary

[54 FR 39528, Sept. 27, 1989]

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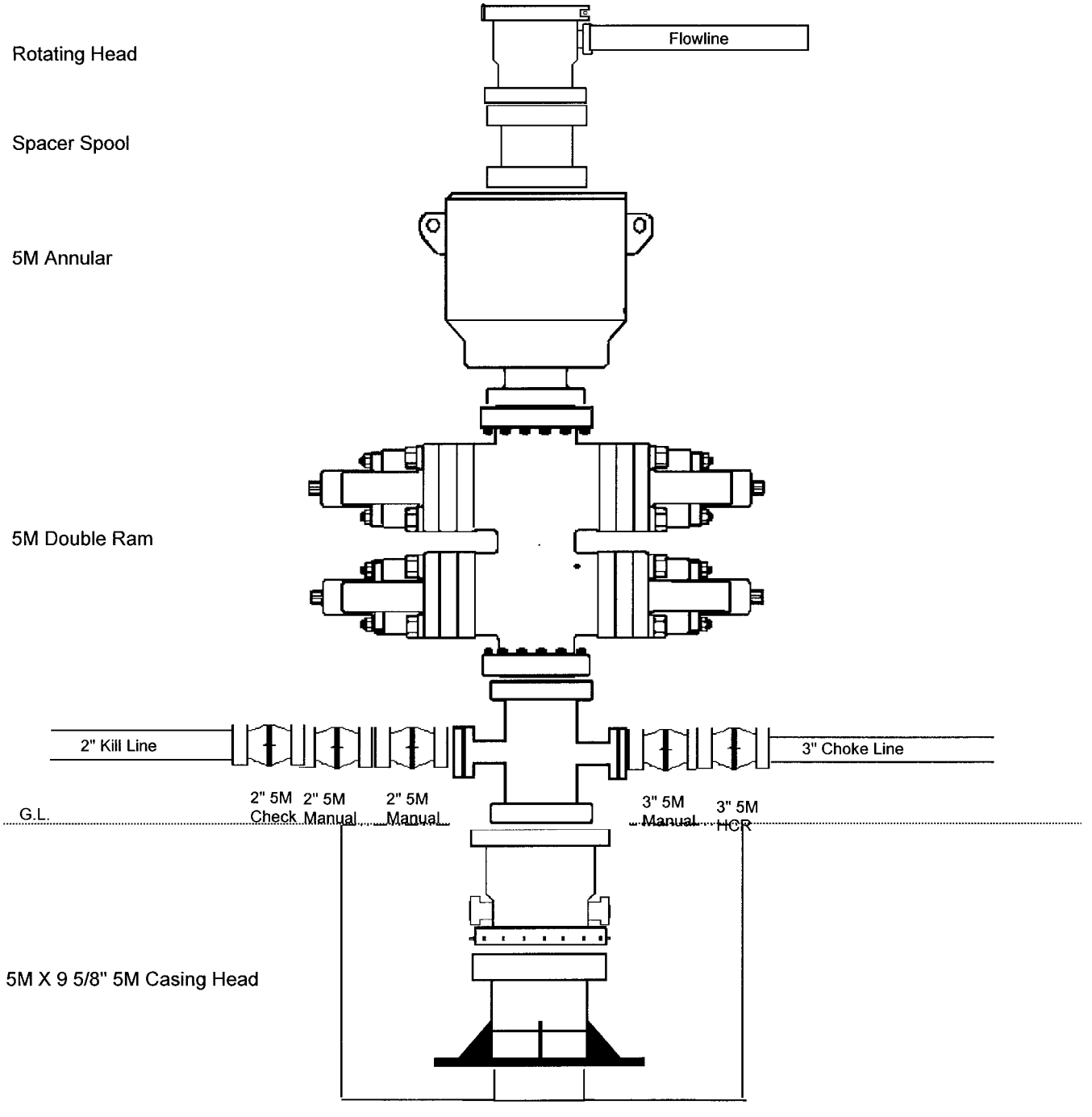
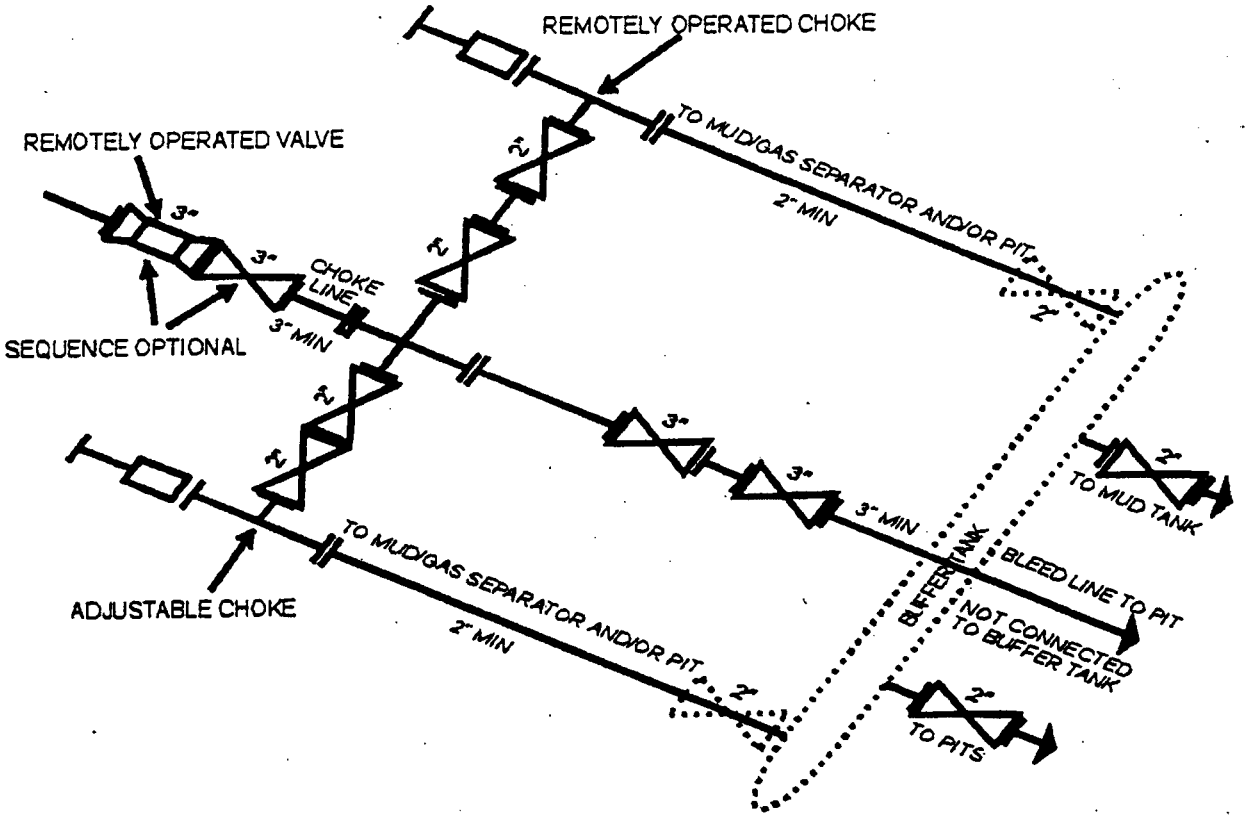
*Last Updated March 25, 1997 by John Broderick*

5M BOP STACK


Rotating Head
Flowline
Spacer Spool
5M Annular
5M Double Ram
2" Kill Line
3" Choke Line
G.L.
2" 5M Check
2" 5M Manual
2" 5M Manual
3" 5M Manual
3" 5M HCR
5M X 9 5/8" 5M Casing Head

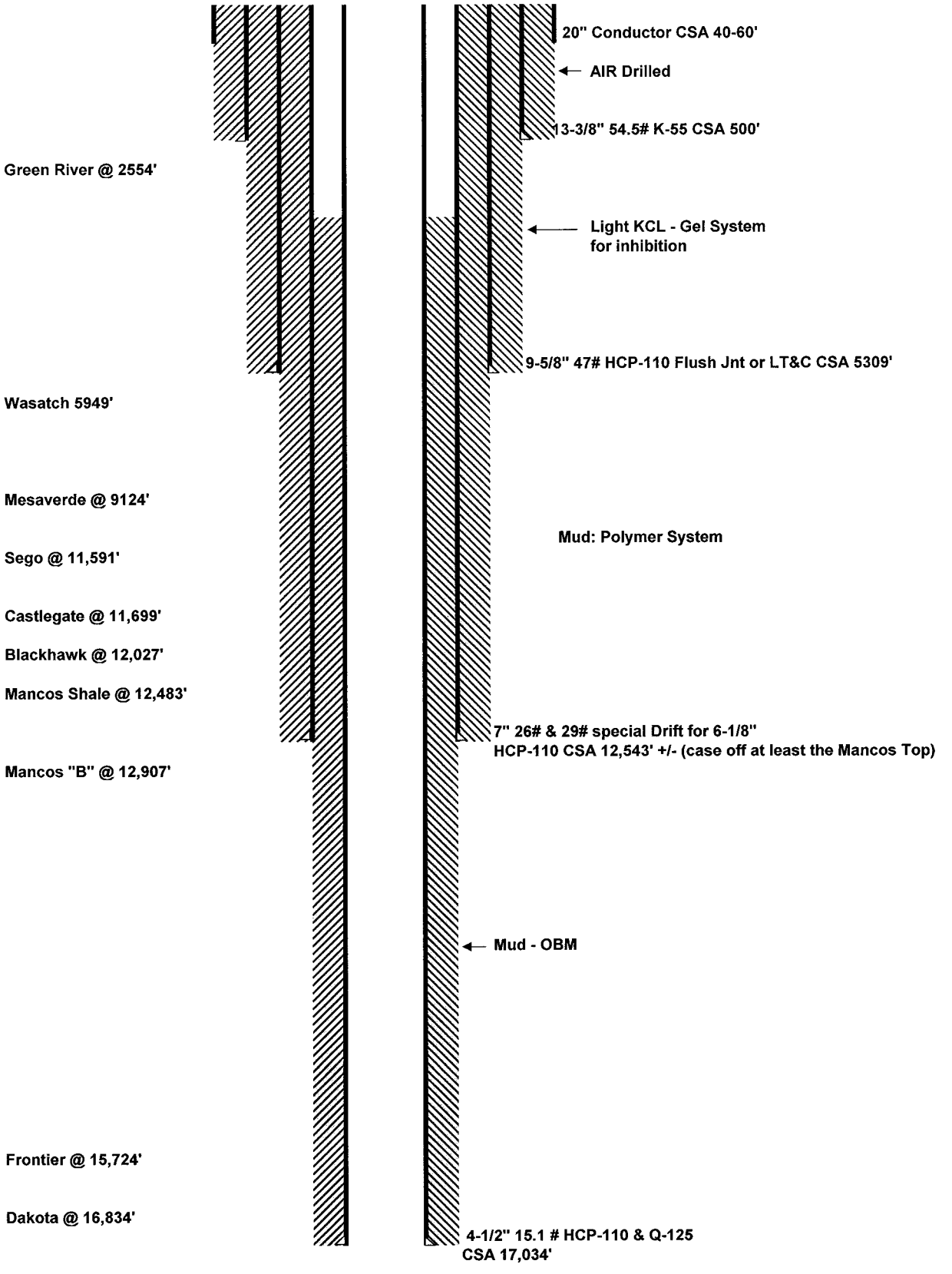



5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, OR 15M drawings, it would also be applicable to those situations.

[54 FR 39528, Sept. 27, 1989]

# GH 8-20-8-21


20" Conductor CSA 40-60'
AIR Drilled
13-3/8" 54.5# K-55 CSA 500'
Green River @ 2554'
Light KCL - Gel System
for inhibition
9-5/8" 47# HCP-110 Flush Jnt or LT&C CSA 5309'
Wasatch 5949'
Mesaverde @ 9124'
Mud: Polymer System
Sego @ 11,591'
Castlegate @ 11,699'
Blackhawk @ 12,027'
Mancos Shale @ 12,483'
7" 26# & 29# special Drift for 6-1/8"
HCP-110 CSA 12,543' +/- (case off at least the Mancos Top)
Mancos "B" @ 12,907'
Mud - OBM
Frontier @ 15,724'
Dakota @ 16,834'
4-1/2" 15.1 # HCP-110 & Q-125
CSA 17,034'

NEWPARK DRILLING FLUIDS, LLC

# Questar
## Exploration & Production Company

# *GH 8-20-8-21*

*Sec 20-T8S-R21E*
*Uintah County, Utah*

# *Drilling Fluids Program*

*410 17th Street, Suite 460 Denver, CO 80202*
*(303) 623-2205 (720) 904-7970 Fax*

# Newpark Drilling Fluids, LP

410 17th Street, Suite 460 ■ Denver, Colorado 80202 ■ (303) 623-2205 ■ FAX (720) 904-7970


July 9, 2008

Jim Davidson
Questar E&P
1050 17th Street, Suite 500
Denver, CO 80265
Chief Drilling Engineer

RE: GH 8-20-8-21
Sec 20-T8S-R21E
Uintah Co, Utah

Mr. Davidson:

Newpark Drilling Fluids, LP is pleased to present the enclosed revised recommended drilling fluids program for the GH 8-20-8-21 well to be drilled in Uintah County, Utah. This program is for drilling with KCL Water/FlexFirm and/or light mud in the 1st intermediate to 5,309 ft, a polymer fluid system in the 2nd intermediate interval to 12,543 ft, then to T.D. at 17,034 ft with OBM.

The Surface Interval will be pre-set at a depth of 500 ft.

For the 1st intermediate Interval, a light KCL /Flex Firm drilling fluid is planned. Lightly mud up before drilling into the Trona/Water flood area and/or before Intermediate T.D.

Brine kill pills may be needed for trips, logs, and casing operations, depending on pressure encountered while drilling.
Trona water flows in this area may require a mud weight of 9.5-9.8 ppg to control.
Water flood area's in the Green River may need 10.2-10.5 ppg mud weight to control.
A mud-up will be is recommended before 1st Intermediate T.D. at 4,000'+/-. Mud-up to a NewPHPA/Polymer system.
Required mud weight at interval T.D. at 5,309' is expected to be in the 8.8-9.0 ppg range.

In the 2nd intermediate interval, drill out with the KCL system from the previous interval..
Mud weight in this interval is expected to be in the 10.5-11.0 ppg range at the 12,597 ft liner interval T.D.
Extreme loses have been encountered in this interval on offset wells.

In the Production interval, displace to a 13.0-14.0 ppg OptiDrill OBM system. Maintain fluid density as low as possible to increase penetration rates and reduce the possibility of lost circulation. Use high weight pills for well control during; trips, logs, and casing operations. Mud weight at T.D. is expected to be at +/-15.5 ppg.

The projected drilling time for this project is 45-50 days with an estimated material and engineering cost of $300,000.00 assuming no unusual delays or problems are encountered. The estimate is based on minimal losses and a 15.0 ppg mud weight at TD. Costs will increase dramatically if severe losses are encountered.

All sack material and bulk barite will be furnished from our Grand Junction, Colorado and Myton, UT facilities with OBM supplied from Newpark's Boulder, WY facility.

If you have any questions following your review of this proposal, please call.

Regards,

Estes Ward
Operations Manager
Newpark Drilling Fluids, LP

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# Project Summary

*Questar*
*Exploration & Production*
*GH 8-20-8-21*
*Sec 20-T8S-R21E*
*Uintah, County Utah*

| Depth (ft) | Formations | Interval Comments | Mud Weight (ppg) | Mud Properties |
|---|---|---|---|---|
| 500' | Uinta<br>**Surface T.D.** | **Hole size: 17 1/2"/ Casing: 13 3/8"**<br>**AIR DRILLED** | NA | NA |
| 2,554'<br>5,309' | Green River<br>Birds Nest<br>Mahogany<br>G1 Lime<br>**Intermediate T.D.** | **KCL/FlexFirm**<br>**Hole size: 12-1/4"/ Casing: 9 5/8"**<br>**Drill out with KCL water. Maintain K silicate with 1-3 sks per 100 ft.**<br>**Pump pre-hydrated NewGel or Flowzan /New Gel sweeps for increased hole cleaning and for any tight hole and/or torque.**<br>**For trips, spot heavy brine if needed for trona flow, and at intermediate T.D. check hole conditions and spot high viscosity mud if needed.**<br>**If hole conditions dictate a mud-up, convert the system to a KCL/Polymer system.**<br>**Mud weight required at T.D. is expected to be in the 8.8-9.0 ppg range** | **8.4-8.8**<br>**8.8-9.0** | **Vis (sec/qt): 27-36**<br>**PV (cp): 0-8**<br>**YP (#s/100ft²): 0-10**<br>**FL (ml/30 min): NC-20**<br>**LGS %: < 1%-3%**<br>**pH: 10.5-10.8**<br>**Cl (mg/l): 15-20K**<br>**KCL: 3%** |
| 5,949'<br>9,124'<br>11,591'<br>11,699'<br>12,027'<br>12,483'<br>12,543'+/- | Wasatch<br>Mesa Verde<br>Sego<br>Bucktongue<br>Castlegate<br>Blackhawk<br>Blachawk SS<br>Mancos<br>**Inter. 2 T.D.** | **NewPHPA/Polymer**<br>**Hole size: 8.5 "/ Liner: 7 "**<br>Mud up as hole conditions dictate to a NewPHPA/ Polymer system. Maintain properties as outlined increasing the PHPA concentration to 1 ppb.<br>Lost circulation may be a problem in this interval. If lost circulation is encountered, pump LCM pills as needed. If LCM pills will not control losses, by-pass the shakers and increase the LCM concentration in the system as needed.<br>If severe lost circulation is encountered, consider a DynaPlug squeeze.<br>Hole instability may be encountered in the Mesa Verde. Monitor torque, pump pressure, connection fill, and trip conditions for indications of hole instability and consider adding Asphalt if hole conditions dictate. | **9.1-9.4**<br>**9.2-9.5**<br>**10.0-10.5**<br>**10.5**<br>**10.5-11.0** | **Vis (sec/qt): 40-45**<br>**PV (cp) : 12-20**<br>**YP (#s/100ft²) : 10-12**<br>**FL (ml/30 min): 6-8**<br>**LGS %: 3-5**<br>**pH: 10.0-10.5**<br>**Cl (mg/l): 11-15K**<br>**PHPA: 1.0 ppb** |
| 12,907'<br>15,724'<br>16,834'<br>17,034' | Mancos B<br>Frontier equiv.<br>Dakota Silt<br>Dakota<br>**Total Depth** | **OptiDrill OBM**<br>**Hole size: 6-1/8"/ Casing: 4-1/2"**<br>Drill out with the **OptiDrill** system, treating cement contamination as needed with **OptiWet** to prevent shaker blinding.<br>Maintain hole cleaning during high ROP's with high viscosity sweeps. Use a 1:1 ratio of **OptiVis RM** and **OptiVis.**<br>CO2 in the gas stream while drilling under balanced will require additional Lime, emulsifiers and wetting agent.<br>**Maintain mud weight as needed for well control. Spot high weight ECD pills for trips, logs, and casing operations.** | **14.0**<br>**14.6**<br>**15.0**<br>**15.5** | **PV (cp): 15-25**<br>**YP (lbs/100ft²): 8-10**<br>**HPHT (mls/30 min.) : <20**<br>**O/W : 80:20 - 85:15**<br>**ES: 500+**<br>**Lime: 2-4 ppb**<br>**LGS %: < 6** |

**Newpark Drilling Fluids, LP**
**410 17th Street, Suite 460**
**Denver, CO. 80202**
**(303) 623-2205 FAX (720) 904-7970**

# Project Summary

*Questar*
*Exploration & Production*
*GH 8-20-8-21*
*Sec 20-T8S-R21E*
*Uintah, County Utah*

## DRILLING FLUID PROPERTIES

### *Surface Hole: Air Drilled*

| Hole Size (in) | TVD (ft) | Mud Weight (ppg) | Plastic Viscosity (cp) | Yield Point (lb/100ft²) | API Fluid Loss (ml/30min) | Total Solids (%) |
|---|---|---|---|---|---|---|
| 17-1/2 " | 0-500' | NA | NA | NA | NA | NA |

### *1st Intermediate Hole: KCL/FlexFirm*

| Hole Size (in) | MD (ft) | Mud Weight (ppg) | Plastic Viscosity (cp) | Yield Point (lb/100ft²) | API Fluid Loss (ml/30min) | Chloride Mg/l (x1000) | LGS Solids (%) |
|---|---|---|---|---|---|---|---|
| 12-1/4" | 500'- 4,000' | 8.6-8.8 | 2-8 | 0-4 | NC-20 | 15-20 | 1-3% |
| 12-1/4" | 4,000'-5,309' | 9.3-9.5 | 8-12 | 8-10 | 10-12 | 15-20 | 3-5% |

### *2nd Intermediate Interval: NewPHPA/Polymer*

| Hole Size (in) | MD (ft) | Mud Weight (ppg) | Plastic Viscosity (cp) | Yield Point (lb/100ft²) | API Fluid Loss (ml/30min) | pH | LGS Solids (%) |
|---|---|---|---|---|---|---|---|
| 8-1/2" | 5,408' -10,000' | 9.3-9.8 | 6-12 | 6-10 | 8-10 | 10.0-11.0 | 3-6% |
| 8-1/2 " | 10,000'-12,543' | 10.5-11.0 | 12-18 | 12-15 | 6-8 | 10.0-11.0 | 3-6% |

### *Production Interval: OptiDrill OBM*

| Hole Size (in) | MD (ft) | Mud Weight (ppg) | Plastic Viscosity (cp) | Yield Point (lb/100ft²) | O/W Ratio (%) | HPHT Fluid Loss (ml/30min) | CaCL (mg/l) X 10,000 | Electrical Stability (mv) | LGS Solids (%) |
|---|---|---|---|---|---|---|---|---|---|
| 6-1/8 " | 12,543'-17,034' | 15.0-15.5 | 20-30 | 8-10 | 85/15 | 12-15 | 250-350 | 500 + | 3-6 |

- Drilling fluid properties are guidelines only.
- Mud weights for guidelines only, allow hole conditions to dictate actual mud weights.
- Hole conditions should be closely monitored and product mix adjusted accordingly.

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# 1st Intermediate Interval
## 12-1/4" Hole (500'- 5,309')

*Questar*
*Exploration & Production*
*GH 8-20-8-21*
*Sec 20-T8S-R21E*
*Uintah, County Utah*

| 1st Intermediate Interval Drilling Fluid Properties | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Depth Interval (TVD) | Mud Weight (ppg) | Viscosity (sec/qt) | Plastic Viscosity (cp) | Yield Point (lb/100ft²) | pH | API Fluid Loss (ml/30min) | KCL (%) | Low Gravity Solids | Chlorides Mg/l (x1000) |
| 500'- 5,309'+/- | 9.0-9.5 | 28-36 | 2-10 | 0-8 | 10.0-11.0 | NC-20 | 3.0 | <1.0 | 15-20 |

- Drill out with KCL water maintaining KCL % at 3.0.
- Mix FlexFirm at 3 sks per 100 ft drilled for hole stability and reduced bit balling.
- If a water flow is encountered, treat as needed for carbonates.
- Pump pre-hydrated NewGel and/or Flowzan/SaltGel sweeps for increased hole cleaning, along with LCM sweeps for seepage (Paper LCM while drilling with water)
- If water flows are encountered, spot heavy brine pills for trips, logs and casing operations.
- If hole conditions dictate a mud-up, convert the KCL water to a KCL/Polymer system.
- **Shallow gas/overpressure was encountered on some offsets in the area at 3,700-4,000'. A 9.5-9.9 ppg fluid was needed to control pressure.**

| *Challenges:* | *Strategies:* |
|---|---|
| Gravel/Unconsolidated formation | If encountered, pump sweeps of pre-hydrated NewGel with a viscosity of 150 –300 sec/qt. |
| Water Flows (Trona) | If water flows become excessive, control hydrostatic as needed with air additions and fluid density. |
| Lost Circulation | While drilling with water, pump LCM sweeps consisting of paper. If drilling with mud, pump mixed LCM pills in the 20-30% LCM range. |
| Hole Cleaning | Pump sweeps on a regular basis and for any indications of insufficient hole cleaning. Circulate and pump sweeps before connections and for any anticipated down time. |
| Increase ROP with PDC Bits | Pump 20-40 bbl. Sweeps with NewEase 203, New100N, DynaDet, and SAPP. (FlexDrill Sweeps) |
| Hole Instability/Sloughing Shale | Consider a mud-up and Asphalt additions. |

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## *Offset Data:*

- Wells in this area have encountered major losses in the Birds Nest.
- Gravel/unconsolidated formation has been encountered at 1380 ft.
- Gas/overpressure has been encountered at 3,700'-4,000'.

## *Fluid Recommendations:*

- Drill out cement, float collar and new formation. Test the integrity of the casing seat and squeeze if necessary.
- Drill out with Saltwater, aerating as needed to maintain circulation.
- If water is encountered, control flow with reduced air and fluid density.
- If a Trona Water flow is encountered additions of **Lime** and/or **Calcium Chloride** should be used to adjust alkalinities as needed.
- The use of a premix tank is highly recommended. Pre-Hydrate **NewGel** for use as sweeps and for viscosity when a mud up is needed. Fill premix tank with fresh water. Treat out hardness with **SodaAsh** as needed. Add 0.25-0.5 ppb **Caustic Soda** for a 10.0-10.5 pH. Begin additions of 20-25 ppb **NewGel** allow sufficient circulating time for maximum hydration. Add 1.0-2.0 ppb **CFL II**. Then mix additional **NewGel** (30-40 ppb total) or a 120+ funnel viscosity. The pre-hydrated bentonite can be pumped from the premix to the pill tank and pumped downhole for sweeps or can be added slowly to the **Saltwater** for viscosity and rheology control.
- If penetration rates slow sweeps with **New 100N**, **NewEase 203, SAPP**, and **DynaDet** should be considered. **(1% New 100N, 1% NewEase 203, 0.5-0.75 ppb SAPP, 0.2 % DynaDet). *"Flex Sweeps"***
- For trips, an increase in mud weight may be necessary to kill water flows. 9.8-10.0 ppg brine should be considered for this operation.
- Seepage and/or lost circulation may become a problem. For seepage while drilling with water, pump 20-30 bbl pills containing Paper LCM.
- If losses become severe, consider a mud up and LCM sweeps of **Cedar Fiber** and **FiberSeal** should be pumped and incorporated into the system as needed. If losses continue, increase coarse LCM in active system to 15-20%. If losses continue the use of a **New X-Prima** Squeeze is strongly recommended.
- At TD increase funnel viscosity for logs and casing operations as hole conditions dictate. Suggest funnel viscosity be increased to 45-50 sec/qt, before logging operations be attempted.

- At 5,408' ( intermediate T.D.) short trip, check hole conditions. If hole conditions dictate, add pre-hydrated **NewGel** from the premix tank to the active system to increase funnel viscosity to 45-50 sec/qt and spot in the open hole for logs and casing operations

**DRILL STRING PACK-OFF**: Rapid penetration rate during fast drilling often deteriorates to pack-off, a situation which can lead to lost circulation and/or stuck pipe. Pack-off is typically self-induced by exceeding the maximum rate of penetration for a given annular flow rate. The solution to this is to control the penetration rate to a level that the pumps can adequately clean the hole while maintaining rheological properties in line with existing hydraulic parameters.

**SOLIDS CONTROL**: It is of the utmost importance that the shale shakers and flow line cleaners be equipped with the finest screens possible, and yet handle the flow rate. The desander and desilter units should be evaluated periodically and serviced to maximize performance.

# 2nd Intermediate Interval
## 8-1/2" Hole (5,309'- 12,543')

*Questar*
*Exploration & Production*
*GH 8-20-8-21*
*Sec 20-T8S-R21E*
*Uintah, County Utah*

| 2nd Intermediate Interval Drilling Fluid Properties | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Depth Interval (TVD)** | **Mud Weight (ppg)** | **Viscosity (sec/qt)** | **Plastic Viscosity (cp)** | **Yield Point (lb/100ft²)** | **pH** | **API Fluid Loss (ml/30min)** | **Hardness Mg/l)** | **Low Gravity Solids** |
| 5,309'-10,000' | 9.0-9.5 | 32-36 | 6-12 | 6-10 | 10.0-11.0 | 8-10 | 100+ | 4-6 |
| 10,000'-12,543' | 10.5-11.0 | 45-50 | 10-18 | 12-14 | 10.0-11.0 | 6-8 | 100+ | 4-6 |

- Drill out with water and or mud as hole conditions dictate. After mud-up , allow the system to revert to a fresh water polymer system.
- As mud weight is increased, seepage losses can become severe. Treat with LCM pills as needed. If pill treatments will not contain the losses at reasonable levels, by-pass the shakers, retaining the pills and allowing the LCM concentration to increase as needed.
- Hole instability can occur in the Mesa Verde in this area. If encountered, consider adding Asphalt, building to a 4-6 ppb concentration.
- High pressure may be encountered in the Castlegate/Blackhawk. Monitor closely for increased pressure while drilling and use caution on trips to minimize possible swabbing.
- Mud weight at Intermediate #2 T.D. is expected to be in the 10.5-11.0 ppg range.
- **The use of ECD pills for trips to maintain a low mud weight for drilling has been used successfully on offset wells.**
- **Spotting a LCM pill on bottom during trips has decreased losses in the area.**

| *Challenges:* | *Strategies:* |
|---|---|
| Hole Instability/Sloughing Shale | Consider 4-6 ppb Asphalt |
| Increase in Formation pressure | Monitor well conditions and increase density as needed with **NewBar** as needed. |
| Seepage/Lost Circulation | As mud weight is increased (10.0ppg +) seepage and losses may become a problem. For seepage pump 50 bbl sweeps with 5-10 ppb **DynaFiber** and 10-20 ppb **NewCarb** as needed. For partial or total losses pump sweeps with 10-15 ppb **FiberSeal** and **Cedar Fiber**. Severity of losses will determine size and quantity of LCM added. If losses are not controlled with sweeps consider 10-15% LCM in active system. For severe losses the use of a **New X-Prima** squeeze should be considered. |
| Differential Sticking | Maintain mud weight as low as possible. Control Low Gravity Solids below 6%, and control fluid loss at 8-10 mls/30 min. |
| Increase ROP with PDC Bits | Pump 20-40 bbl. Sweeps with NewEase 203, New100N, DynaDet, and SAPP. (FlexDrill Sweeps) |

# 2nd Intermediate Interval
## 8-1/2" Hole (5,309'-12,543')



## *Offset Data:*

Wells in this area have experienced losses as mud weights are increased to control formation pressure. LCM sweeps are strongly recommended for this reason. Mud weights should be keep as low as practical but increases to 11.2 ppg may be required by 2nd Intermediate TD at 12,543'.

- **Loss zones on offset wells were at 9200 ft and 9500 ft.**
- **Losses were encountered at 10,200' on the WV 11AD-14-8-21**

## *Fluid Recommendations:*

- Drill out cement, float collar and new formation with the system from the previous interval. Test the integrity of the casing seat and squeeze if necessary.
- Drill out with water and or mud. If drilling out with water consider a mud up by +/- 7500 ft or as hole conditions dictate.
- Begin additions of 0.5-1.0 ppb **NewPHPA** and maintain throughout the interval.
- Maintain viscosity with PreHydrated **NewGel** until chlorides have dropped below 5000-7000 mg/l. After chlorides have dropped **NewGel** will not need to be pre-hydrated and can be added directly to the system.
- Begin additions of **NewPHPA**. Concentration of **NewPHPA** should be maintained at 0.5-1.0 ppb throughout the interval. As mud weight increases additions of **PHPA** should be switched from **NewPHPA DLMW** to the shorter chain **NewPHPA DSL**.
- If hole conditions dictate, consider 4-6 ppb Asphalt.
- If penetration rates slow sweeps with **New 100N**, **NewEase 203, SAPP**, and **DynaDet** should be considered. **(1% New 100N, 1% NewEase 203, 0.5-0.75 ppb SAPP, 0.2 % DynaDet). *"Flex Sweeps"***
- Increase mud weight as needed to control formation pressures as needed. Mud weights should be maintained as low as practical to reduce chance of losses and differential sticking. Increase mud weight as needed with **NewBar**.
- As density increases additions of **NewEdge** and/or **DrillThin** should be added for rheology control.
- As bottom hole temperatures increase and additional fluid loss control is desired supplement the **AquaBlock** with **NewPac** for fluid loss control Lower API filtrate to 6-8 cc's with additions of **NewPAC** and **AquaBlock**.
- As mud weight is increased seepage and/or lost circulation may become a problem. For seepage pump 20-30 bbl pills containing a combination of **NewCarb** and **DynaFiber** mixed at a 2:1 ratio. If partial or total returns are encountered, LCM sweeps with a varied size distribution including **Cedar Fiber** and **Fiber Seal, PhenoSeal** and other assorted sizes should be considered and incorporated into the system as needed. 20-25% LCM in the active system may be required. The type, size and quantity of LCM used will depend on the severity of losses. If losses are severe a **New X-Prima** squeeze should be considered.
- At TD increase funnel viscosity for logs and casing operations as hole conditions dictate. Suggest funnel viscosity be increased to 50-55 sec/qt, before logging or casing operations be attempted.
- While circulating casing it is recommended to reduce Yield Points for cementing operations.

# Production Interval
## 6-1/8" Hole (12,543'-17,034')

*Questar*
*Exploration & Production*
*GH 8-20-8-21*
*Sec 20-T8S-R21E*
*Uintah, County Utah*

| Production Interval Drilling Fluid Properties | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Depth Interval (TVD) | Mud Weight (ppg) | Plastic Viscosity (cp) | Yield Point (lb/100ft²) | O/W Ratio % | HPHT Fluid Loss (ml/30min) | Excess Lime (PPB) | Electrical Stability (MV) | Low Gravity Solids | CaCl Mg/l Water |
| 12,543'- 17,034' | 15.0-15.5 | 25-35 | 8-10 | 85:15 | 10-20 | 2-4 | 500+ | < 6 | 300K |

### Drilling Fluid Recommendations: (12,543'-17,034')

- Displace to a OptiDrill OBM after finishing the casing job at 12,543'.
- After displacement, maintain the OptiDrill system within the parameters outlined above.
- Offsets in the area have encountered high rates of seepage in this interval. If indications of seepage are observed, sweeps of **NewCarb C**, **Dynafiber C & M**, **NewSeal**, and **CyberSeal** are recommended. Mixing ratios are recommended to be at 5:1 **NewCarb M** to **DynaFiber** , **NewSeal**, and **CyberSeal**. If losses continue to be a problem, consider trying different sizes and combinations until ssepage is slowed.
- Maintain rheology low to reduce ECD values and reduce surge and swab during connections and trips.
- Drill as underbalanced as possible to help prevent losses and increase penetration rates.
- For pressure control, spot high weight pills with an equivalent mud weight to drilling ECD's. On trips in, stage these pills out and divert to storage for further use. High weight pills in excess of the drilling ECD should be avoided due to possible lost circulation.

| Challenges | Strategies |
|---|---|
| Displacement | • Have 1200-1300 bbls of OBM volume on location along with a pump capable of keeping up with displacement rates.<br>• Pump a 10-20 bbl viscosified OBM spacer ahead of the OpyiDrill (enough for 500 ft + separation)<br>• A steady pump rate for either turbulent or plug flow should be used. Reciprocate and rotate to assist in minimizing channeling.<br>• Do not shut down once displacement commences.<br>• Should any contamination occur, isolate the contaminated fluid for reconditioning. |
| Seepage/lost Circulation. | Pump LCM sweeps when seepage and/or losses are indicated. Sweeps should be a mixture of , NewCarb, DynaFiber, NewSeal, and CyberSeal. If lost returns are encountered, consider a Diaseal M or cross linked polymer squeeze. |
| Maintaining Oil wet solids | For every 1.0 ppg mud weight increase, mix 0.02 gal/bbl OptiWet |
| Pressure control | • Spot weighted pills calculated to give a bottom hole pressure equal to drilling ECD.<br>• Do not exceed drilling bottom hole pressure with the ECD pill. Lost circulation has been a problem on offset wells.<br>• Stage weighted pills out of the hole and recover for future use. |

### Maintenance Procedure:

*HPHT* - Maintain HPHT values within programmed parameters. Additions of **OptiMul** and **OptiPlus**, at recommended concentrations should maintain the HTHP at recommended levels. If hole conditions indicate a need for lower HPHT values, **Opti G** at 2-4 ppb is recommended.

*Electrical Stability*– Electrical stability should be used as a guide not as an absolute in determining maintenance requirements. Actual values are not critical but should be observed for trends or changes. Decreases in electrical stability should be noted along with other mud properties to determine treatments. To increase electrical stability add emulsifiers and wetting agents **OptiMul** and **OptiPlus** or decrease water content.

*Oil/Water Ratio* - Maintain the oil/water ratio in the 90:10-80:20 range depending on mud weight and condition.. Higher water content will decrease the amount of **OptiVis** needed for rheology.

*Mud weight* - Maintain minimum fluid densities with solids equipment. Monitor hole conditions and all drilling parameters closely for indications of increases in formation pressures and adjust fluid densities accordingly. Drilling with a minimum amount of overbalance will reduce the possibility of losing returns and/or of differentially sticking the drill string. Mud weight on offset wells was in the 15.0-15.5 ppg range at T.D.

*Rheology* - Maintain solids as low as possible. Increase rheology as needed for hole cleaning with a combination of **OptiVis (Bentone 910)** and **Opti Vis RM or Opti Vis PS** and water content.

*Lime* - Maintain the excess Lime at 2-3 ppb excess.

*Hole cleaning* - Calculate rheology requirements based on ROP, pump rates and hole conditions. Adjust as needed .

*Mud losses downhole*—Monitor ECD's with Hy-Calc, maintaining the lowest values possible. If losses are encountered; sweeps containing **NewCarb, DynaFiber, Opti-G, and NewSeal** should be circulated to aid in the prevention of losses. If seepage losses continue and/or become severe, consider spotting a pill with **Magma Fiber (Fine & Regular)** and the above formulation. Keep the hole full at all times, and avoid excessive swabbing and/or surge actions when tripping.

*Solids Control* - Maintain low gravity solids at 4-6 % by volume. The high performance shakers should be equipped with the finest mesh screens that will handle the circulating volume and not cut barite out.

*Water Contamination*– Keep all water sources off the mud pits. If contamination occurs, treat with emulsifiers and Calcium Chloride as needed.

# Production Interval
## 6-1/8" Hole (12,543'- 17,034')



***Recommended materials for relaxed filtrate OptiDrill system :***
***( 85:15 Oil/Water Ratio)***

| Product | Function | Concentration |
|---|---|---|
| ***NewBar*** | Weighting material | As needed |
| ***OptiVis*** | Organophilic Clay / Viscosifier | 2-4 ppb |
| ***OptiMul*** | Primary Emulsifier | 2.0 ppb |
| ***OptiPlus*** | Secondary Emulsifier | 4.0 gal/bbl. |
| ***OptiVis RM*** | Low End Rheology Modifier | 0.1-0.2 ppb |
| ***Calcium Chloride Water*** | Internal Phase | 10.0%-20.0 % by volume |
| ***Calcium Chloride*** | Salinity/Activity | 300,000 - 350,000 mg/l |
| ***OptiG*** | Fluid Loss control Additive | 1.0-4.0 ppb |
| ***Lime*** | Alkalinity Additive | 5 ppb |
| ***NewCarb M*** | Loss Circulation Material | 10.0 ppb |
| ***NewCarb F*** | Loss Circulation Material | As required |
| ***DynaFiber*** | Loss Circulation Material | As required |

# QUESTAR EXPLORATION AND PRODUCTION COMPANY

# WELLSITE CUTTINGS MANAGEMENT PLAN

**UINTA BASIN PROJECT AREA**

**GH 8-20-8-21**

**Township: 8 South, Range 21 East**

**Uintah County, Utah**

# UINTA BASIN CUTTINGS MANAGEMENT PLAN

## Solidifying / Stabilizing Cuttings Pits

## 1. PROJECT DESCRIPTION

We drill and set conductor, then drill, case and cement surface casing, then drill, run casing, and cement intermediate sections, then finally drill the production holes. This insures that surface water is protected and is not exposed to more saline waters and that treatable water is not exposed to oil based mud (OBM). In addition, water and oil is skimmed off during the various phases for reuse and to minimize the fluid levels in the pit.

The wells to be drilled use oil base drilling fluid during the production section of each well. As the production section of the well is drilled, drill cuttings will be generated and separated from the drilling fluid, then deposited in a single on-site waste pit with synthetic liners (cuttings pit). These oil base mud cuttings (OBMC) are expected to contain elevated levels of adhered entrained hydrocarbons due to their prior contact with the OBM. The OBMC will be collected in a steel catch tank as drilling progresses, moved to the cuttings pit by a wheel loader, and mixed with the water based cuttings generated during drilling of the upper sections of the wellbore.

A state approved contractor will treat the waste placed in the cuttings pit using the solidification/stabilization (S/S) process described below. Prior to beginning the S/S process, the contractor will collect samples of the contents of the cuttings pit for criteria verification. The waste will be treated in place inside the pit and contractor will finish by backfilling the pit constituting final disposal of the drilling waste.

## 2. GENERAL DESCRIPTION OF THE SOLIDIFICATION/STABILIZATION PROCESS

The S/S process involves the controlled addition of a specially blended Portland-cement-based reagent to the drilled cuttings, OBM and WBM solids and liquids, and makeup water as required followed by through mixing of the reagent with the waste to form homogeneous slurry. Hydrocarbons and chlorides in the waste are broken up into very small droplets or "particles" and these particles are dispersed throughout the reagent/waste mixture during the mixing phase. After the mixing phase, an irreversible chemical reaction occurs between the cementitious reagent and water present in the slurry causing the slurry mixture to rapidly transform into a solid granular material. The previously dispersed and isolated particles are immobilized to a very high degree within the interlocked cementitious lattice of each solidified granule. This waste treatment process prevents the hydrocarbons or chlorides from re-coalescing within the processed waste form and reduces their release to the surrounding environment. Chemical properties imparted by the process also stabilize various metals, if present in the waste, by transforming them into less-soluble forms. This in conjunction with the physical entrapment of metals within each solidified granule greatly reduces their availability to the surrounding environment. In summary S/S rapidly transforms physically unstable waste into a stable solid material and reduces the leaching rate of target constituents to such a degree that they can no longer cause harm to the surrounding environment.

## 3. ESTIMATED VOLUMES PER WELL

| Section | Top | Bottom | Size | Volume, ft3 | Swell | Excess | Tot Vol, ft3 | Tot Vol, bbl |
|---|---|---|---|---|---|---|---|---|
| Surface | 60 | 500 | 17.5 | 735.01 | 1.3 | 1.7 | 1624.38 | 289.29 |
| Intermediate | 500 | 5309 | 12.25 | 3936.34 | 1.3 | 1.4 | 7164.14 | 1275.89 |
| Intermediate | 5309 | 12543 | 8.5 | 2850.90 | 1.3 | 1.4 | 5188.64 | 924.07 |
| Production | 12543 | 17034 | 6.125 | 919.01 | 1.3 | 1.3 | 1553.13 | 276.60 |
| Additional Volume | | | | | | | 1937.03 | 345.00 |
| Total per Well | | | | | | | 17467.31 | 3110.86 |

## 4. PROJECT OBJECTIVES

The S/S objectives are:

1 To permanently reduce the leaching rate of target constituents to at or below prescribed limits for confinement in the soil.

1.1 Leachable Oil and Grease will be less than 10 mg/L.

1.2 Leachable Total Dissolved Solids will be less than 5000 mg/L and/or leachable salts will be below acceptable site-specific guidelines.

1.3 Compliance with the performance criteria will be certified by a third party accredited testing laboratory utilizing the appropriate tests as prescribed. Laboratory test results will be documented in a closure report submitted to the client and to the required regulatory agencies as may be required after completion of the project.

2 To solidify the unconsolidated waste to support backfilling soil cover and resist subsidence.

3 Rapid solidification of the waste to reduce pit closure time.

4 Minimize waste volume increase to maximize depth of native soil cover over processed material.

## 5. CONTRACTOR ACTIVITIES

1. Contractor will collect samples of the raw waste and bench test to determine S/S reagent formulation and reagent/waste mix ratios necessary to achieve performance criteria.
2. Contractor will deliver equipment and experienced personnel to the site.
3. Contractor supervisor will conduct a job site safety assessment with crew discussing relevant site safety hazards, required PPE, and accident avoidance. Contractor safety meetings will be held prior to each day's work throughout the project.
4. Contractor and client representative will determine the final actual volume of contents to treat in each pit at the subject site prior to commencing operations.
5. Contractor will construct proper storm drainage protection, if necessary, to surround the pit areas during the project.
6. Contractor will perform preliminary admixing of each pit's contents prior to S/S reagent introduction and prepare the site to facilitate waste processing. Care will be taken to maintain waste containment throughout all processing phases.
7. Contractor will prepare and deliver S/S reagents to the site. Reagents will be added to the pit waste utilizing a special filter-equipped discharge hopper.
8. Contractor will perform the S/S on the waste in-situ in order to chemically solidify the waste and immobilize target constituents of concern within the processed material.
9. After processing all the waste, contractor will collect a composite sample of the processed pit material and submit the sample to a certified third party laboratory for analysis to verify the processed material complies with criteria indicated in the Project Objectives, Section 4.
10. Contractor will place a minimum of three feet (3') of native spoil over the S/S material in the pit in order to backfill to the adjacent grade constituting final disposal of the processed material. Spoil for backfilling will be taken from existing excavated spoils at the site.
11. Contractor will then promptly demobilize equipment and personnel concluding site operations.

# QUESTAR EXPLR. & PROD.

## GH #8-20-8-21

**LOCATED IN UINTAH COUNTY, UTAH**
**SECTION 20, T8S, R21E, S.L.B.&M.**

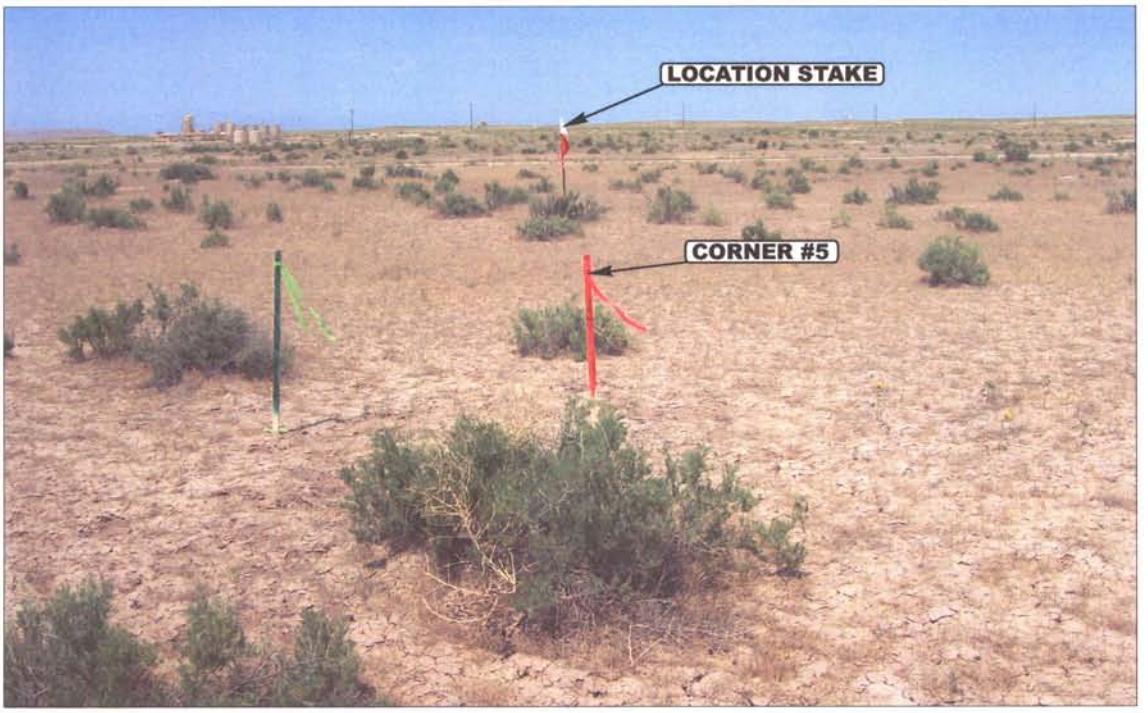



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE** **CAMERA ANGLE: NORTHERLY**

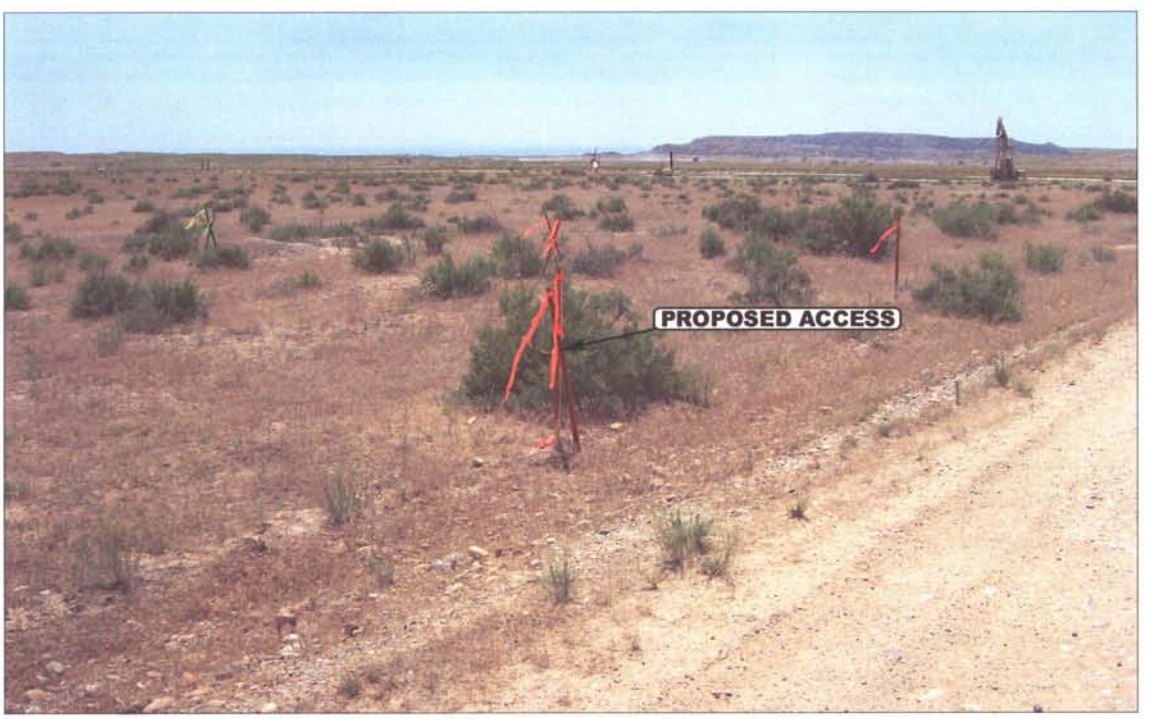
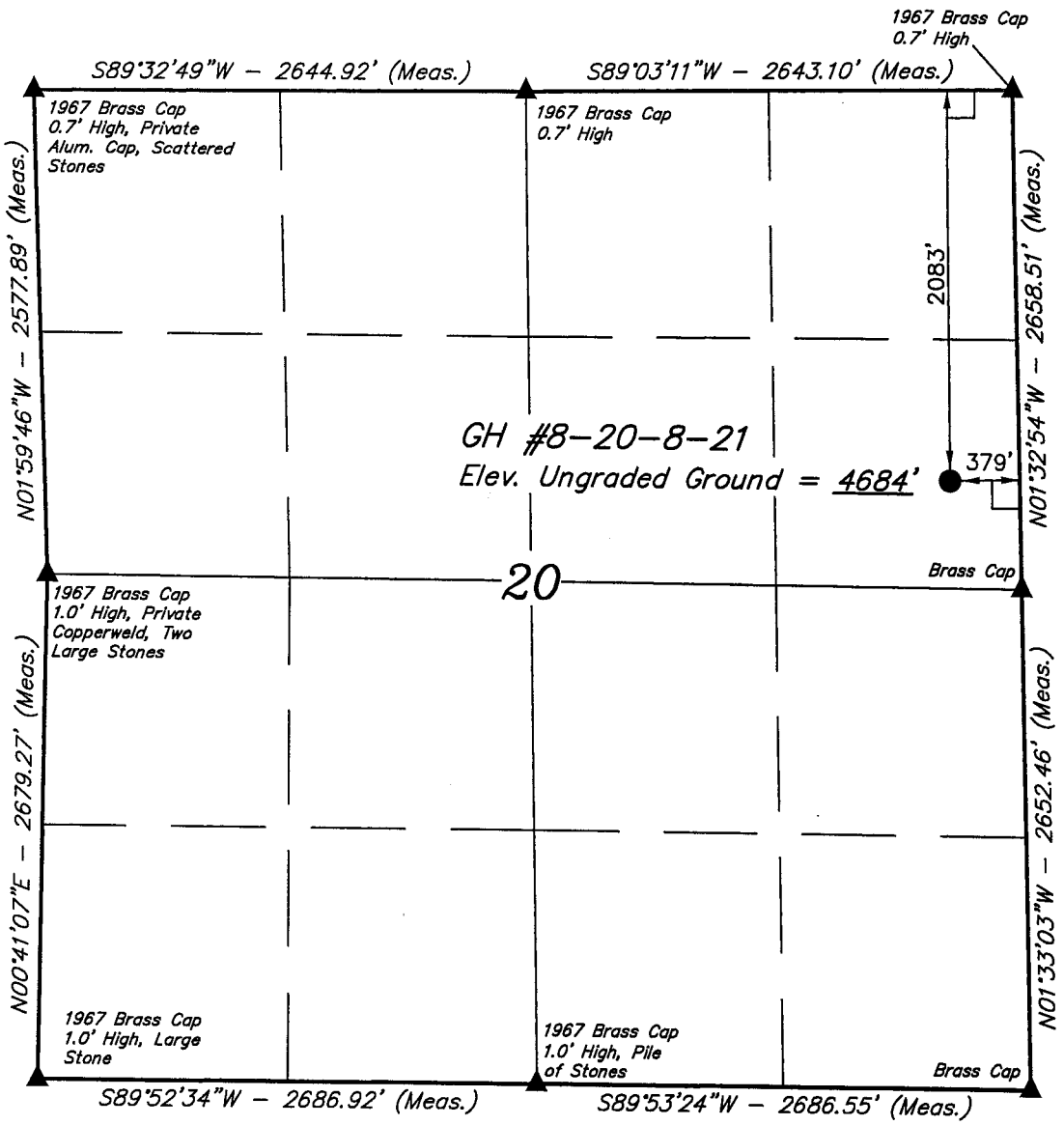



**PHOTO: VIEW OF EXISTING ACCESS** **CAMERA ANGLE: SOUTHWESTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

| LOCATION PHOTOS | 05 MONTH | 02 DAY | 06 YEAR | PHOTO |
|---|---|---|---|---|
| TAKEN BY: J.W. | DRAWN BY: C.P. | REV: 07-11-08 D.P. | | |

# T8S, R21E, S.L.B.&M.




LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°06'36.91" (40.110253)
LONGITUDE = 109°34'12.60" (109.570167)

(NAD 27)
LATITUDE = 40°06'37.04" (40.110289)
LONGITUDE = 109°34'10.11" (109.569475)

## QUESTAR EXPLR. & PROD.

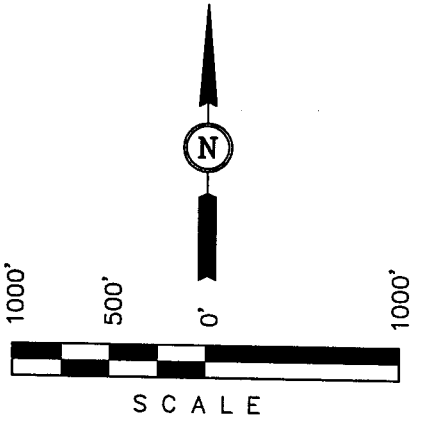
Well location, GH #8-20-8-21, located as shown in the SE 1/4 NE 1/4 of Section 20, T8S, R21E, S.L.B.&M. Uintah County, Utah.

## BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.




SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 07-11-08 D.P.


UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017


| SCALE | DATE SURVEYED: | DATE DRAWN: |
|---|---|---|
| 1" = 1000' | 04-26-06 | 04-28-06 |
| PARTY: D.A. T.B. L.K. | REFERENCES: G.L.O. PLAT | |
| WEATHER: WARM | FILE: QUESTAR EXPLR. & PROD. | |

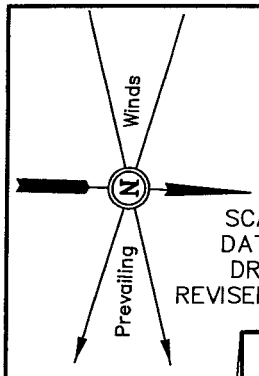
# QUESTAR EXPLR. & PROD.

## LOCATION LAYOUT FOR

GH #8-20-8-21
SECTION 20, T8S, R21E, S.L.B.&M.
2083' FNL 379' FEL

FIGURE #1

SCALE: 1" = 60'
DATE: 04-28-06
DRAWN BY: L.K.
REVISED: 07-11-08 D.P.




GRADE
El. 83.0'

Topsoil Stockpile

Sta. 4+50

6 F-1.0'
El. 82.0'

175'

7 F-0.4'
El. 82.6'

8

Approx. Toe of Fill Slope

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

204'
FLARE PIT

Pit Topsoil

210'

PIPE TUBS
CATWALK
PIPE RACKS

C-0.5'
El. 83.5'

CATCH TANK

D

C-1.0'
El. 84.0'

RIG

El. 82.8'
C-19.8'
(Btm. Pit)

C

75'

170'

Sta. 2+40

1

TOILET

C-0.6'
El. 83.6'

100'

5

C-0.5'
El. 83.5'

DOG HOUSE

TRAILER

LIGHT PLANT

BOILER

COMPRESSOR

WATER TANK

RESERVE PITS (20' Deep)

215'

SLOPE 1-1/2 :1

MUD TANKS

PUMP HOUSE

BOOSTER

Reserve Pit Backfill & Spoils Stockpile

10' WIDE BENCH/DIKE

Total Pit Capacity W/2' of Freeboard = 33,560 Bbls. ± Total Pit Volume = 8,480 Cu. Yds.

Existing Road

TRASH

240'

PROPANE STORAGE

Sta. 0+61

El. 84.2'
C-21.2'
(Btm. Pit)

B

C-1.2'
El. 84.2'

A

C-1.3'
El. 84.3'

3

31

C-3.2'
El. 86.2'

Sta. 0+00

2

4

C-1.2'
El. 84.2'

Approx. Top of Cut Slope

Proposed Access Road

REGISTERED LAND SURVEYOR
No. 161319
STATE OF UTAH

NOTES:

Elev. Ungraded Ground At Loc. Stake = 4684.0'

FINISHED GRADE ELEV. AT LOC. STAKE = 4683.0'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85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

# QUESTAR EXPLR. & PROD.

## TYPICAL CROSS SECTIONS FOR

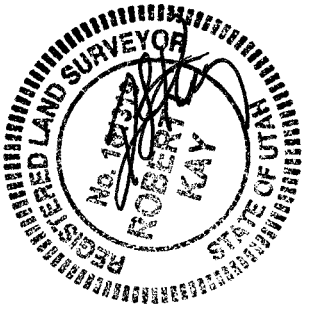
GH #8-20-8-21
SECTION 20, T8S, R21E, S.L.B.&M.
2083' FNL 379' FEL

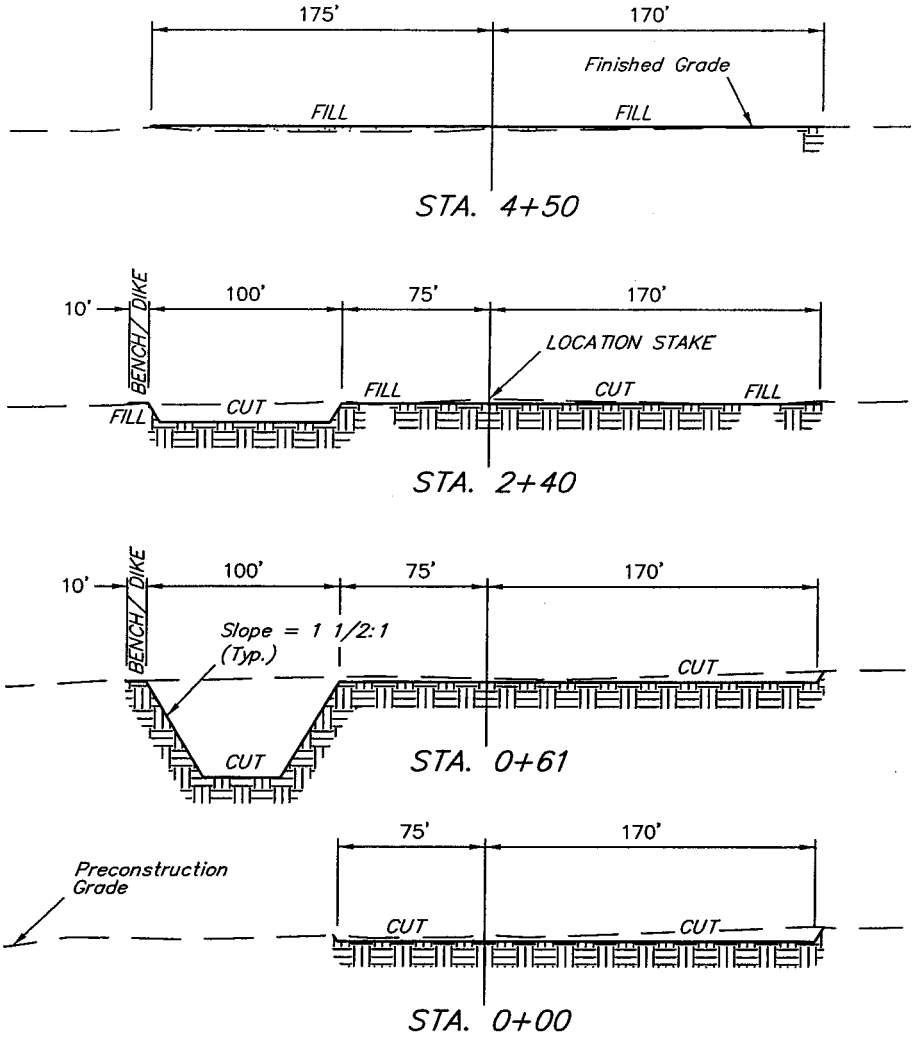
FIGURE #2

1" = 40' X-Section Scale

1" = 100'

DATE: 04-28-06
DRAWN BY: L.K.
REVISED: 07-11-08 D.P.




### APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 5.579 ACRES
PIPELINE DISTURBANCE = ± 0.029 ACRES

TOTAL = ± 5.608 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

### APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 6,010 Cu. Yds.
Remaining Location = 8,280 Cu. Yds.

TOTAL CUT = 14,290 CU.YDS.
FILL = 4,040 CU.YDS.

EXCESS MATERIAL = 10,250 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 10,250 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.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85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

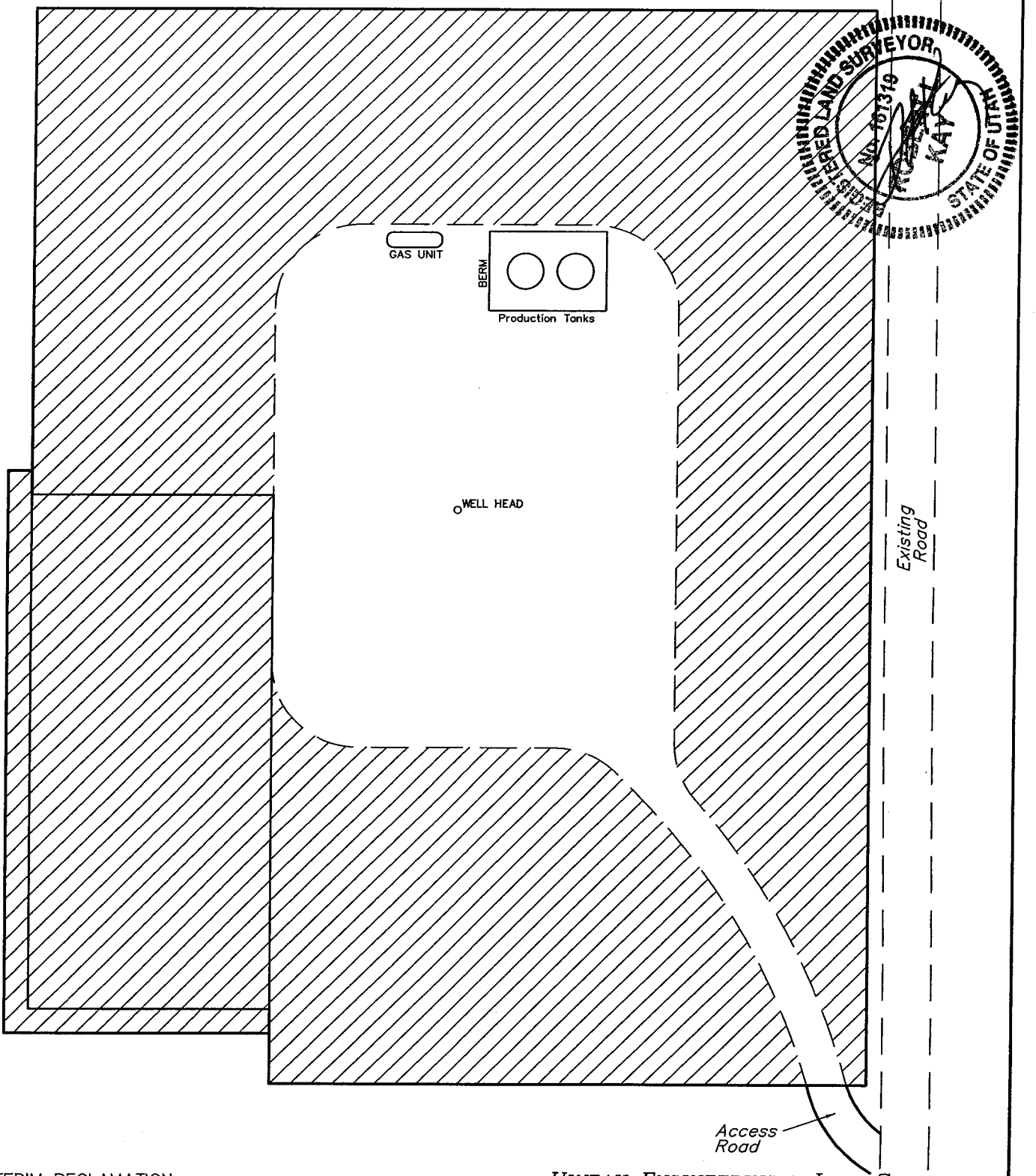
# QUESTAR EXPLR. & PROD.

## INTERIM RECLAMATION PLAN FOR

GH #8-20-8-21
SECTION 20, T8S, R21E, S.L.B.&M.
2083' FNL 379' FEL

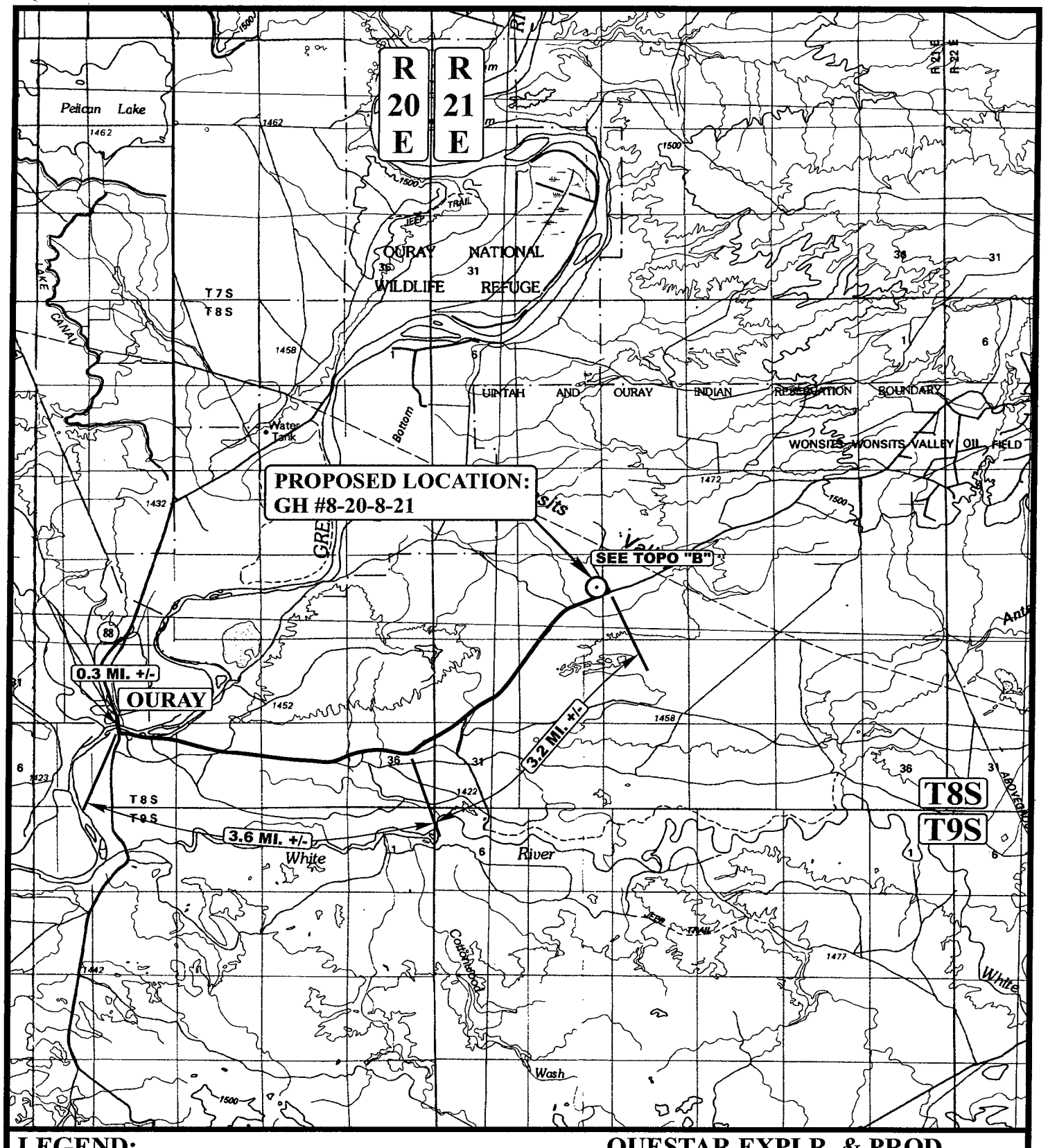
*FIGURE #3*

SCALE: 1" = 60'
DATE: 04-28-06
DRAWN BY: L.K.
REVISED: 07-11-08 D.P.




INTERIM RECLAMATION

*UINTAH ENGINEERING & LAND SURVEYING*
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*




**LEGEND:**

⊙ PROPOSED LOCATION

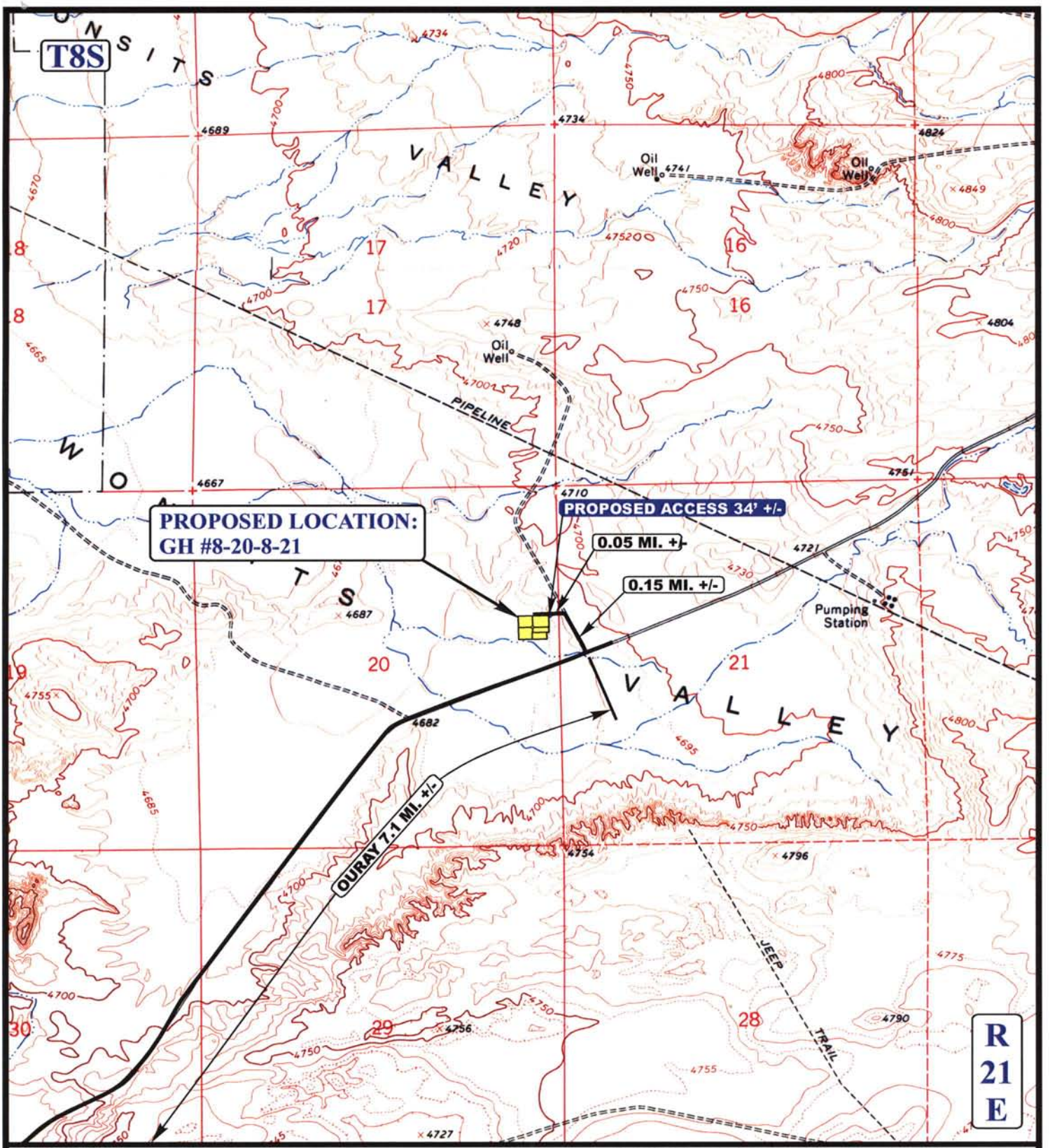
N

**QUESTAR EXPLR. & PROD.**

**GH #8-20-8-21**
**SECTION 20, T8S, R21E, S.L.B.&M.**
**2083' FNL 379' FEL**


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 05 MONTH | 02 DAY | 06 YEAR | A TOPO |
|---|---|---|---|---|
| SCALE: 1:100,000 | DRAWN BY: C.P. | REV: 07-11-08 D.P. | | |




**LEGEND:**

EXISTING ROAD

PROPOSED ACCESS ROAD

N

**QUESTAR EXPLR. & PROD.**

**GH #8-20-8-21**
**SECTION 20, T8S, R21E, S.L.B.&M.**
**2083' FNL 379' FEL**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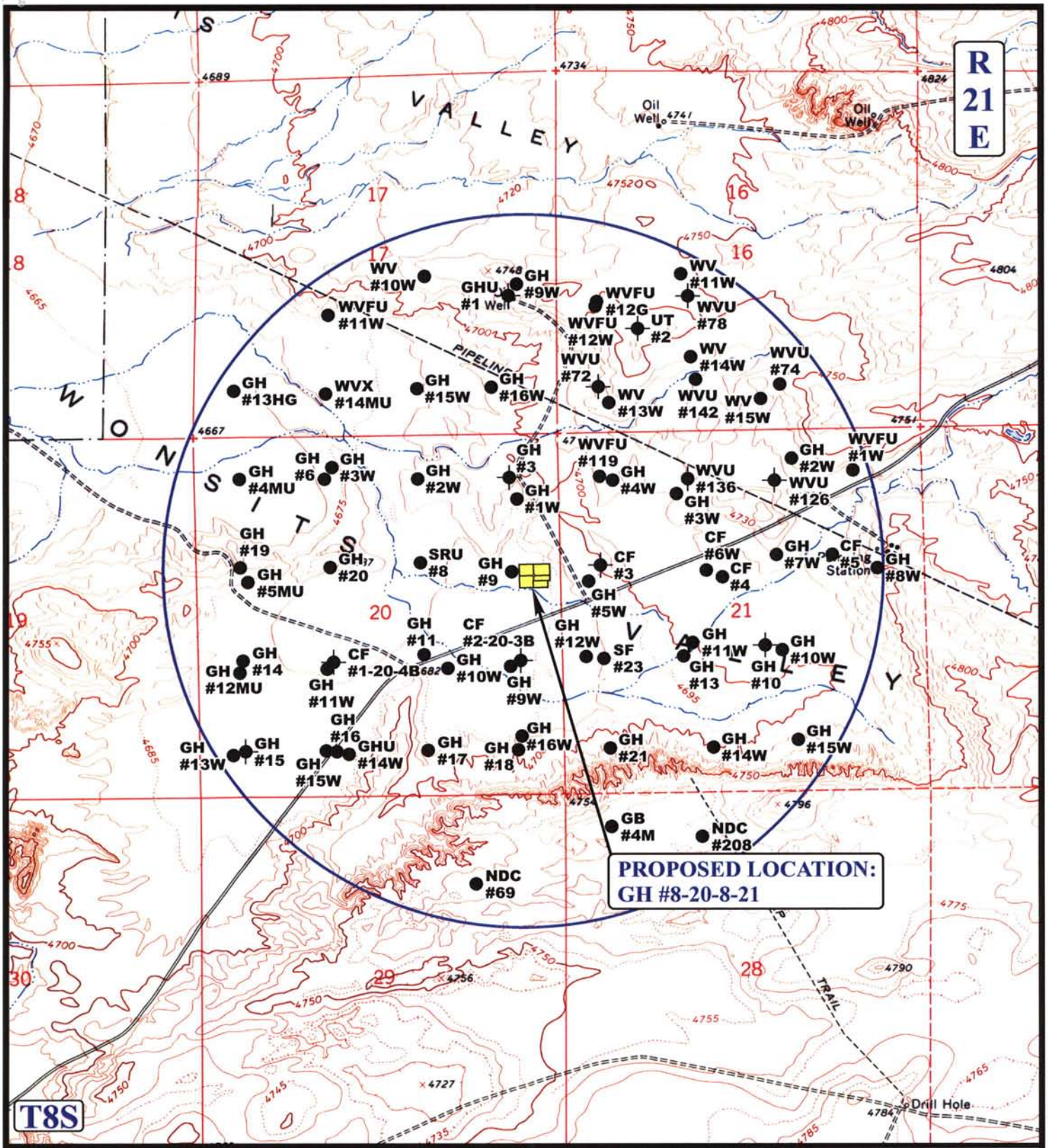
| TOPOGRAPHIC MAP | 05 MONTH | 02 DAY | 06 YEAR | B TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: C.P. | REV: 07-11-08 D.P. | | |




## LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

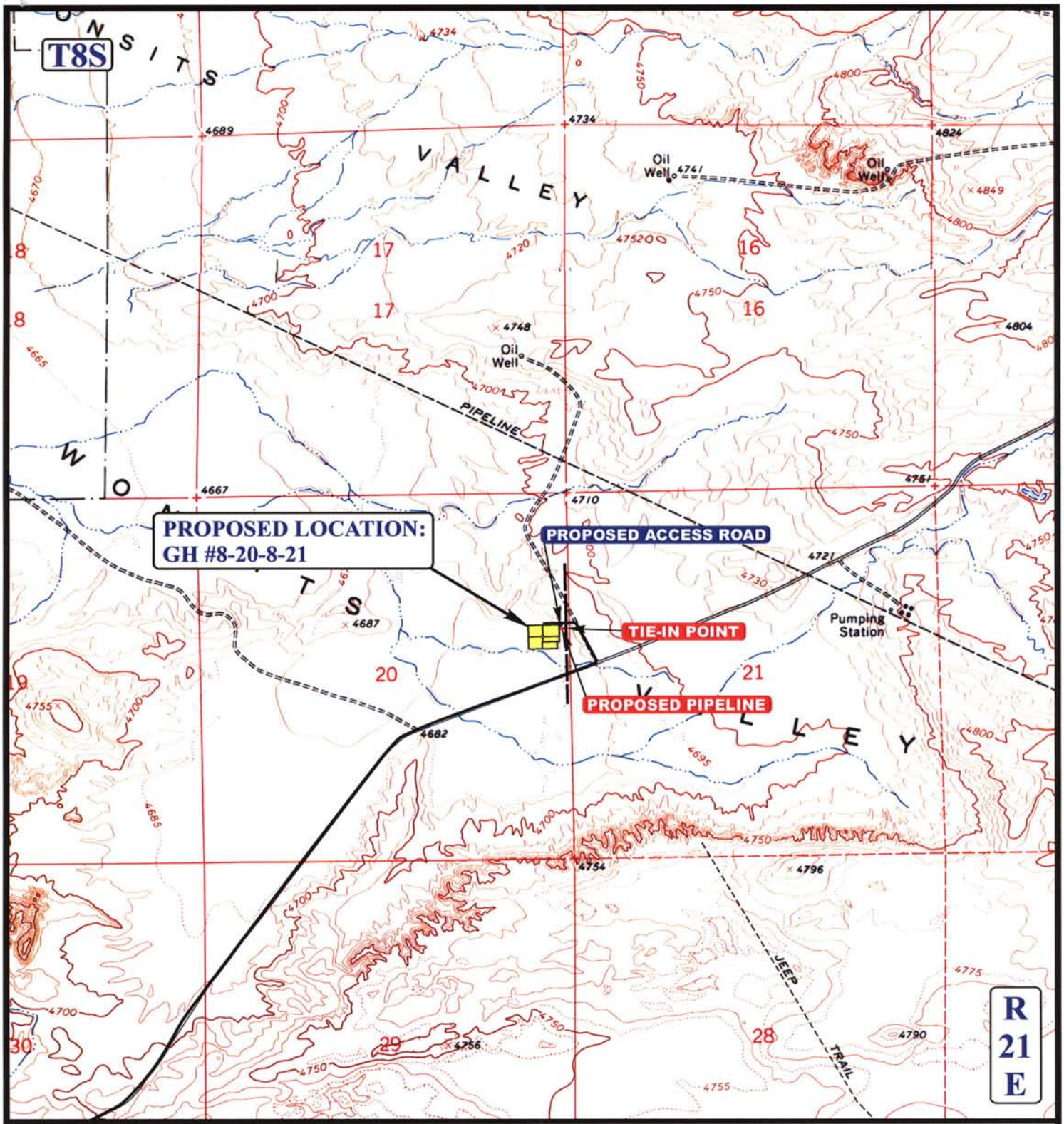
N

## QUESTAR EXPLR. & PROD.

GH #8-20-8-21
SECTION 20, T8S, R21E, S.L.B.&M.
2083' FNL 379' FEL


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 05 MONTH | 02 DAY | 06 YEAR | C TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: C.P. | REV: 7-11-08 D.P. | | |




APPROXIMATE TOTAL PIPELINE DISTANCE = 92' +/-

**LEGEND:**

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

**QUESTAR EXPLR. & PROD.**

**GH #8-20-8-21**
**SECTION 20, T8S, R21E, S.L.B.&M.**
**2083' FNL 379' FEL**


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813


| TOPOGRAPHIC MAP | 05 MONTH | 02 DAY | 06 YEAR | D TOPO |
|---|---|---|---|---|
| SCALE: 1" = 2000' | DRAWN BY: C.P. | REV: 07-11-08 D.P. | | |

QUESTAR

**Questar Exploration and Production Company**
11002 East 17500 South
Vernal, UT 84078
Tel 435 781 4300 • Fax 435 781 4329

September 22, 2008

Division of Oil, Gas & Mining
1594 W. N. Temple STE 1210
Salt Lake City, UT 84114-5801

To Whom It May Concern:

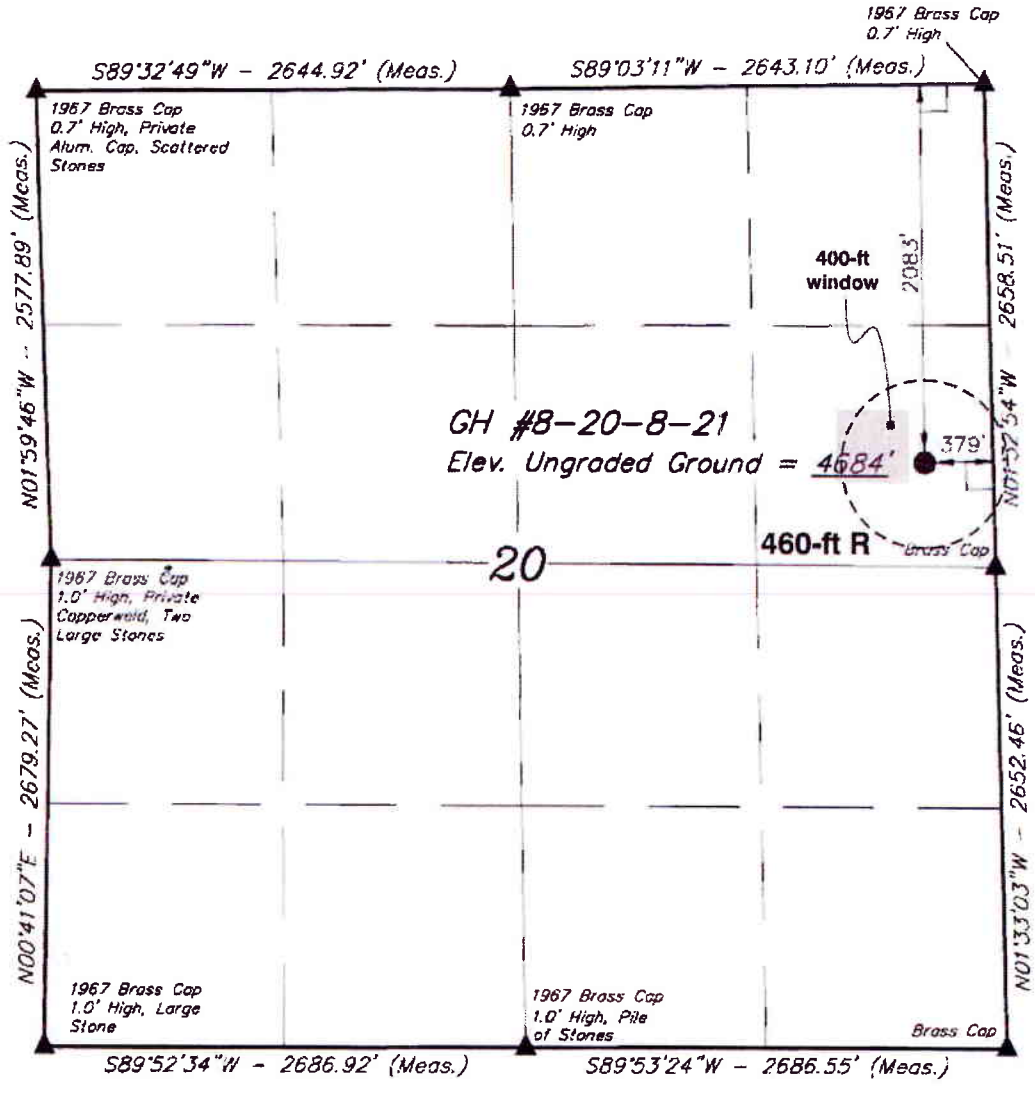
Questar Exploration & Production Company (QEP) Gypsum Hills 8-20-8-21 Lease # UTU-0140740, is an exception location due to the General State Citing Rule of it being closer than 920' to the Gypsum Hills # 9. QEP is considered to be the operator of the GH #9. The GH 8-20-8-21 was moved because of the location of the GH # 9.

There are no additional lease owners within 460' of this proposed well. If you have any question please contact Jan Nelson @ (435) 781-4331.

Thank you,

Jan Nelson
Regulatory Affairs

# T8S, R21E, S.L.B.&M.




LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°06'36.91" (40.110253)
LONGITUDE = 109°34'12.60" (109.570167)

(NAD 27)
LATITUDE = 40°06'37.04" (40.110289)
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## QUESTAR EXPLR. & PROD.

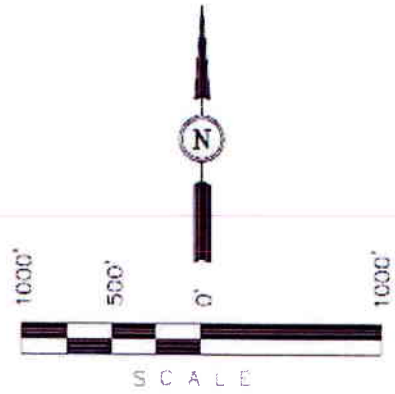
Well location, GH #8-20-8-21, located as shown in the SE 1/4 NE 1/4 of Section 20, T8S, R21E, S.L.B.&M. Uintah County, Utah.

## BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

## BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.




SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

No. 161319
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 07-11-08 D.P.

**UINTAH ENGINEERING & LAND SURVEYING**
*85 SOUTH 200 EAST - VERNAL, UTAH 84078*
(435) 789-1017

| | | |
|---|---|---|
| SCALE: 1" = 1000' | DATE SURVEYED: 04-26-06 | DATE DRAWN: 04-28-06 |
| PARTY: D.A. T.B. L.K. | REFERENCES: G.L.O. PLAT | |
| WEATHER: WARM | FILE: QUESTAR EXPLR. & PROD. | |

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

# SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0140740

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE

7. UNIT or CA AGREEMENT NAME: N/A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: GH 8-20-8-21

2. NAME OF OPERATOR: QUESTAR EXPLORATION & PRODUCTION CO.

9. API NUMBER: 4304738157

3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4301

10. FIELD AND POOL, OR WILDCAT: GYPSUM HILLS

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2083' FNL 379' FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 20 8S 21E

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: APD EXTENSION |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Questar Exploration & Production Co. hereby requests a 1 year extension on the GH 8-20-8-21.

**Approved by the Utah Division of Oil, Gas and Mining**

Date: 06-01-09

By:

RECEIVED
JUN - 1 2009
DIV OF OIL, GAS & MINING

COPY SENT TO OPERATOR

Date: 6.3.2009

Initials: KS

NAME (PLEASE PRINT) Laura Bills TITLE Associate Regulatory Affairs Analyst

SIGNATURE Laura Bills DATE 5/19/2009

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

[redacted]

**Application for Permit to Drill**
**Request for Permit Extension**
**Validation**
(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-38157
**Well Name:** GH 8-20-8-21
**Location:** 2083' FNL 379' FEL, SENE, SEC. 20, T8S, R21E
**Company Permit Issued to:** Questar Exploration & Production Co.
**Date Original Permit Issued:** 6/7/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐ No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐ No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐ No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐ No☑

Has the approved source of water for drilling changed? Yes☐ No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐ No☑

Is bonding still in place, which covers this proposed well? Yes☑ No☐

Laura Bills
Signature

5/19/2009
Date

Title: Associate Regulatory Affairs Analyst

Representing: Questar Exploration & Production Co.

API Well No: 43047381570000

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-0140740

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** GH 8-20-8-21

**2. NAME OF OPERATOR:** QUESTAR EXPLORATION & PRODUCTION CO

**9. API NUMBER:** 43047381570000

**3. ADDRESS OF OPERATOR:** 11002 East 17500 South , Vernal, UT, 84078

**PHONE NUMBER:** 303 308-3068 Ext

**9. FIELD and POOL or WILDCAT:** GYPSUM HILLS

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 2083 FNL 0379 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SENE Section: 20 Township: 08.0S Range: 21.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start: 6/7/2011 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

Questar Exploration and Production Company hereby requests a one year extension for the APD on the above mentioned well.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** June 03, 2010

**By:** Dustin Doucet

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Jan Nelson | 435 781-4331 | Permit Agent |
| **SIGNATURE** | | **DATE** |
| N/A | | 6/2/2010 |

**The Utah Division of Oil, Gas, and Mining**

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047381570000

**API:** 43047381570000
**Well Name:** GH 8-20-8-21
**Location:** 2083 FNL 0379 FEL QTR SENE SEC 20 TWNP 080S RNG 210E MER S
**Company Permit Issued to:** QUESTAR EXPLORATION & PRODUCTION CO
**Date Original Permit Issued:** 6/7/2006

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Approved by the Utah Division of Oil, Gas and Mining**

**Signature:** Jan Nelson **Date:** 6/2/2010
**Title:** Permit Agent **Representing:** QUESTAR EXPLORATION & PRODUCTION CO

**Date:** June 03, 2010
**By:**

**RECEIVED** June 02, 2010

Division of Oil, Gas and Mining

# OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

Change of Operator (Well Sold) **X - Operator Name Change**

The operator of the well(s) listed below has changed, effective: **6/14/2010**

| **FROM:** (Old Operator): | **TO:** ( New Operator): |
|---|---|
| N5085-Questar Exploration and Production Company<br>1050 17th St, Suite 500<br>Denver, CO 80265<br><br>Phone: 1 (303) 308-3048 | N3700-QEP Energy Company<br>1050 17th St, Suite 500<br>Denver, CO 80265<br><br>Phone: 1 (303) 308-3048 |

**CA No.** **Unit:**

| WELL NAME | SEC | TWN | RNG | API NO | ENTITY NO | LEASE TYPE | WELL TYPE | WELL STATUS |
|---|---|---|---|---|---|---|---|---|
| SEE ATTACHED | | | | | | | | |
| | | | | | | | | |

## OPERATOR CHANGES DOCUMENTATION

**Enter date after each listed item is completed**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/24/2010
4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
5a. (R649-9-2)Waste Management Plan has been received on: Requested
5b. Inspections of LA PA state/fee well sites complete on: n/a
5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

## DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 6/30/2010
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 6/30/2010
3. Bond information entered in RBDMS on: 6/30/2010
4. Fee/State wells attached to bond in RBDMS on: 6/30/2010
5. Injection Projects to new operator in RBDMS on: 6/30/2010
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

## BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 965010693
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

## LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

# SUNDRY NOTICES AND REPORTS ON WELLS

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| | |
|---|---|
| 5. LEASE DESIGNATION AND SERIAL NUMBER: See attached | |
| 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached | |
| 7. UNIT or CA AGREEMENT NAME: See attached | |
| 1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER | 8. WELL NAME and NUMBER: See attached |
| 2 NAME OF OPERATOR: Questar Exploration and Production Company N5085 | 9. API NUMBER: Attached |
| 3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265 / PHONE NUMBER: (303) 672-6900 | 10. FIELD AND POOL, OR WILDCAT: See attached |
| 4. LOCATION OF WELL: FOOTAGES AT SURFACE: See attached / QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: | COUNTY: Attached / STATE: UTAH |

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ☑ NOTICE OF INTENT (Submit in Duplicate) | ☐ ACIDIZE | ☐ DEEPEN | ☐ REPERFORATE CURRENT FORMATION |
| Approximate date work will start: 6/14/2010 | ☐ ALTER CASING | ☐ FRACTURE TREAT | ☐ SIDETRACK TO REPAIR WELL |
| | ☐ CASING REPAIR | ☐ NEW CONSTRUCTION | ☐ TEMPORARILY ABANDON |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ OPERATOR CHANGE | ☐ TUBING REPAIR |
| | ☐ CHANGE TUBING | ☐ PLUG AND ABANDON | ☐ VENT OR FLARE |
| ☐ SUBSEQUENT REPORT (Submit Original Form Only) | ☐ CHANGE WELL NAME | ☐ PLUG BACK | ☐ WATER DISPOSAL |
| Date of work completion: | ☐ CHANGE WELL STATUS | ☐ PRODUCTION (START/RESUME) | ☐ WATER SHUT-OFF |
| | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ RECLAMATION OF WELL SITE | ☑ OTHER: Operator Name Change |
| | ☐ CONVERT WELL TYPE | ☐ RECOMPLETE - DIFFERENT FORMATION | |

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024) N3700
Utah State Bond Number: ~~965003033~~ 965010695
Fee Land Bond Number: ~~965003033~~ 965010695
BIA Bond Number: ~~799446~~ 965010693

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst

SIGNATURE Morgan Anderson DATE 6/23/2010

(This space for State use only)

RECEIVED
JUN 28 2010
DIV. OF OIL, GAS & MINING

APPROVED 6/30/2009
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000) (See Instructions on Reverse Side)

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

| well_name | sec | twp | rng | api | entity | mineral lease | type | stat | C |
|---|---|---|---|---|---|---|---|---|---|
| WEST RIVER BEND 3-12-10-15 | 12 | 100S | 150E | 4301331888 | 14542 | Federal | OW | P | C |
| WEST RIVER BEND 16-17-10-17 | 17 | 100S | 170E | 4301332057 | 14543 | Federal | OW | P | |
| WEST DESERT SPRING 11-20-10-17 | 20 | 100S | 170E | 4301332088 | 14545 | Federal | OW | S | |
| GD 8G-35-9-15 | 35 | 090S | 150E | 4301333821 | | Federal | OW | APD | C |
| GD 9G-35-9-15 | 35 | 090S | 150E | 4301333822 | | Federal | OW | APD | C |
| GD 10G-35-9-15 | 35 | 090S | 150E | 4301333823 | | Federal | OW | APD | C |
| GD 11G-35-9-15 | 35 | 090S | 150E | 4301333824 | | Federal | OW | APD | C |
| GD 12G-35-9-15 | 35 | 090S | 150E | 4301333825 | | Federal | OW | APD | C |
| GD 13G-35-9-15 | 35 | 090S | 150E | 4301333826 | | Federal | OW | APD | C |
| GD 1G-34-9-15 | 34 | 090S | 150E | 4301333827 | 16920 | Federal | OW | P | |
| GD 2G-34-9-15 | 34 | 090S | 150E | 4301333828 | | Federal | OW | APD | C |
| GD 7G-34-9-15 | 34 | 090S | 150E | 4301333829 | | Federal | OW | APD | C |
| GD 7G-35-9-15 | 35 | 090S | 150E | 4301333830 | | Federal | OW | APD | C |
| GD 14G-35-9-15 | 35 | 090S | 150E | 4301333831 | | Federal | OW | APD | C |
| GD 15G-35-9-15 | 35 | 090S | 150E | 4301333832 | | Federal | OW | APD | C |
| GD 16G-35-9-15 | 35 | 090S | 150E | 4301333833 | 16921 | Federal | OW | P | |
| GD 1G-35-9-15 | 35 | 090S | 150E | 4301333834 | | Federal | OW | APD | C |
| GD 2G-35-9-15 | 35 | 090S | 150E | 4301333835 | | Federal | OW | APD | C |
| GD 3G-35-9-15 | 35 | 090S | 150E | 4301333836 | | Federal | OW | APD | C |
| GD 4G-35-9-15 | 35 | 090S | 150E | 4301333837 | | Federal | OW | APD | C |
| GD 5G-35-9-15 | 35 | 090S | 150E | 4301333838 | | Federal | OW | APD | C |
| GD 6G-35-9-15 | 35 | 090S | 150E | 4301333839 | | Federal | OW | APD | C |
| GD 8G-34-9-15 | 34 | 090S | 150E | 4301333840 | | Federal | OW | APD | C |
| GD 9G-34-9-15 | 34 | 090S | 150E | 4301333841 | | Federal | OW | APD | C |
| GD 10G-34-9-15 | 34 | 090S | 150E | 4301333842 | | Federal | OW | APD | C |
| GD 15G-34-9-15 | 34 | 090S | 150E | 4301333843 | | Federal | OW | APD | C |
| GD 16G-34-9-15 | 34 | 090S | 150E | 4301333844 | | Federal | OW | APD | C |
| GOVT 18-2 | 18 | 230S | 170E | 4301930679 | 2575 | Federal | OW | P | |
| FEDERAL 2-29-7-22 | 29 | 070S | 220E | 4304715423 | 5266 | Federal | GW | TA | |
| UTAH FED D-1 | 14 | 070S | 240E | 4304715936 | 10699 | Federal | GW | S | |
| UTAH FED D-2 | 25 | 070S | 240E | 4304715937 | 9295 | Federal | GW | S | |
| PRINCE 1 | 10 | 070S | 240E | 4304716199 | 7035 | Federal | GW | P | |
| UTAH FED D-4 | 14 | 070S | 240E | 4304731215 | 9297 | Federal | GW | S | |
| ISLAND UNIT 16 | 11 | 100S | 180E | 4304731505 | 1061 | Federal | OW | S | |
| EAST COYOTE FED 14-4-8-25 | 04 | 080S | 250E | 4304732493 | 11630 | Federal | OW | P | |
| PRINCE 4 | 03 | 070S | 240E | 4304732677 | 7035 | Federal | OW | P | |
| GH 21 WG | 21 | 080S | 210E | 4304732692 | 11819 | Federal | GW | P | |
| OU SG 6-14-8-22 | 14 | 080S | 220E | 4304732746 | 11944 | Federal | GW | S | |
| FLU KNOLLS FED 23-3 | 03 | 100S | 180E | 4304732754 | 12003 | Federal | OW | P | |
| GH 22 WG | 22 | 080S | 210E | 4304732818 | 12336 | Federal | GW | P | |
| OU GB 12W-20-8-22 | 20 | 080S | 220E | 4304733249 | 13488 | Federal | GW | P | |
| OU GB 15-18-8-22 | 18 | 080S | 220E | 4304733364 | 12690 | Federal | GW | P | |
| OU GB 3W-17-8-22 | 17 | 080S | 220E | 4304733513 | 12950 | Federal | GW | P | |
| OU GB 5W-17-8-22 | 17 | 080S | 220E | 4304733514 | 12873 | Federal | GW | P | |
| WV 9W-8-8-22 | 08 | 080S | 220E | 4304733515 | 13395 | Federal | GW | P | |
| OU GB 9W-18-8-22 | 18 | 080S | 220E | 4304733516 | 12997 | Federal | GW | P | |
| OU GB 3W-20-8-22 | 20 | 080S | 220E | 4304733526 | 13514 | Federal | GW | P | |
| OU GB 12W-30-8-22 | 30 | 080S | 220E | 4304733670 | 13380 | Federal | GW | P | |
| WV 10W-8-8-22 | 08 | 080S | 220E | 4304733814 | 13450 | Federal | GW | P | |
| GH 7W-21-8-21 | 21 | 080S | 210E | 4304733845 | 13050 | Federal | GW | P | |
| GH 9W-21-8-21 | 21 | 080S | 210E | 4304733846 | 13074 | Federal | GW | P | |

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

| well_name | sec | twp | rng | api | entity | mineral lease | type | stat | C |
|---|---|---|---|---|---|---|---|---|---|
| GH 11W-21-8-21 | 21 | 080S | 210E | 4304733847 | 13049 | Federal | GW | P | |
| GH 15W-21-8-21 | 21 | 080S | 210E | 4304733848 | 13051 | Federal | GW | P | |
| WV 2W-9-8-21 | 09 | 080S | 210E | 4304733905 | 13676 | Federal | GW | P | |
| WV 7W-22-8-21 | 22 | 080S | 210E | 4304733907 | 13230 | Federal | GW | P | |
| WV 9W-23-8-21 | 23 | 080S | 210E | 4304733909 | 13160 | Federal | GW | P | |
| GH 14W-20-8-21 | 20 | 080S | 210E | 4304733915 | 13073 | Federal | GW | P | |
| OU GB 4W-30-8-22 | 30 | 080S | 220E | 4304733945 | 13372 | Federal | GW | P | |
| OU GB 9W-19-8-22 | 19 | 080S | 220E | 4304733946 | 13393 | Federal | GW | P | |
| OU GB 10W-30-8-22 | 30 | 080S | 220E | 4304733947 | 13389 | Federal | GW | P | |
| OU GB 12W-19-8-22 | 19 | 080S | 220E | 4304733948 | 13388 | Federal | GW | P | |
| GB 9W-25-8-21 | 25 | 080S | 210E | 4304733960 | 13390 | Federal | GW | P | |
| SU 1W-5-8-22 | 05 | 080S | 220E | 4304733985 | 13369 | Federal | GW | P | |
| SU 3W-5-8-22 | 05 | 080S | 220E | 4304733987 | 13321 | Federal | OW | S | |
| SU 7W-5-8-22 | 05 | 080S | 220E | 4304733988 | 13235 | Federal | GW | P | |
| SU 9W-5-8-22 | 05 | 080S | 220E | 4304733990 | 13238 | Federal | GW | P | |
| SU 13W-5-8-22 | 05 | 080S | 220E | 4304733994 | 13236 | Federal | GW | TA | |
| SU 15W-5-8-22 | 05 | 080S | 220E | 4304733996 | 13240 | Federal | GW | P | |
| WV 8W-8-8-22 | 08 | 080S | 220E | 4304734005 | 13320 | Federal | GW | P | |
| WV 14W-8-8-22 | 08 | 080S | 220E | 4304734007 | 13322 | Federal | GW | S | |
| OU GB 6W-20-8-22 | 20 | 080S | 220E | 4304734018 | 13518 | Federal | GW | P | |
| OU GB 5W-30-8-22 | 30 | 080S | 220E | 4304734025 | 13502 | Federal | GW | P | |
| OU GB 11W-20-8-22 | 20 | 080S | 220E | 4304734039 | 13413 | Federal | GW | P | |
| OU GB 4W-20-8-22 | 20 | 080S | 220E | 4304734043 | 13520 | Federal | GW | P | |
| GH 5W-21-8-21 | 21 | 080S | 210E | 4304734147 | 13387 | Federal | GW | P | |
| GH 6W-21-8-21 | 21 | 080S | 210E | 4304734148 | 13371 | Federal | GW | P | |
| GH 8W-21-8-21 | 21 | 080S | 210E | 4304734149 | 13293 | Federal | GW | P | |
| GH 10W-20-8-21 | 20 | 080S | 210E | 4304734151 | 13328 | Federal | GW | P | |
| GH 10W-21-8-21 | 21 | 080S | 210E | 4304734152 | 13378 | Federal | GW | P | |
| GH 12W-21-8-21 | 21 | 080S | 210E | 4304734153 | 13294 | Federal | GW | P | |
| GH 14W-21-8-21 | 21 | 080S | 210E | 4304734154 | 13292 | Federal | GW | P | |
| GH 16W-21-8-21 | 21 | 080S | 210E | 4304734157 | 13329 | Federal | GW | P | |
| WV 2W-3-8-21 | 03 | 080S | 210E | 4304734207 | 13677 | Federal | GW | P | |
| OU GB 5W-20-8-22 | 20 | 080S | 220E | 4304734209 | 13414 | Federal | GW | P | |
| WV 6W-22-8-21 | 22 | 080S | 210E | 4304734272 | 13379 | Federal | GW | P | |
| GH 1W-20-8-21 | 20 | 080S | 210E | 4304734327 | 13451 | Federal | GW | P | |
| GH 2W-20-8-21 | 20 | 080S | 210E | 4304734328 | 13527 | Federal | GW | P | |
| GH 3W-20-8-21 | 20 | 080S | 210E | 4304734329 | 13728 | Federal | GW | P | |
| GH 7W-20-8-21 | 20 | 080S | 210E | 4304734332 | 13537 | Federal | GW | P | |
| GH 9W-20-8-21 | 20 | 080S | 210E | 4304734333 | 13411 | Federal | GW | P | |
| GH 11W-20-8-21 | 20 | 080S | 210E | 4304734334 | 13410 | Federal | GW | P | |
| GH 15W-20-8-21 | 20 | 080S | 210E | 4304734335 | 13407 | Federal | GW | P | |
| GH 16W-20-8-21 | 20 | 080S | 210E | 4304734336 | 13501 | Federal | GW | P | |
| WV 12W-23-8-21 | 23 | 080S | 210E | 4304734343 | 13430 | Federal | GW | P | |
| OU GB 13W-20-8-22 | 20 | 080S | 220E | 4304734348 | 13495 | Federal | GW | P | |
| OU GB 14W-20-8-22 | 20 | 080S | 220E | 4304734349 | 13507 | Federal | GW | P | |
| OU GB 11W-29-8-22 | 29 | 080S | 220E | 4304734350 | 13526 | Federal | GW | P | |
| SU PURDY 14M-30-7-22 | 30 | 070S | 220E | 4304734384 | 13750 | Federal | GW | S | |
| WVX 11G-5-8-22 | 05 | 080S | 220E | 4304734388 | 13422 | Federal | OW | P | |
| WVX 13G-5-8-22 | 05 | 080S | 220E | 4304734389 | 13738 | Federal | OW | P | |
| WVX 15G-5-8-22 | 05 | 080S | 220E | 4304734390 | 13459 | Federal | OW | P | |
| SU BRENNAN W 15W-18-7-22 | 18 | 070S | 220E | 4304734403 | 13442 | Federal | GW | TA | |

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

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| SU 10W-5-8-22 | 05 | 080S | 220E | 4304734456 | 13540 | Federal | GW | P | |
| WV 16W-8-8-22 | 08 | 080S | 220E | 4304734470 | 13508 | Federal | GW | P | |
| OU GB 16WX-30-8-22 | 30 | 080S | 220E | 4304734506 | 13431 | Federal | GW | P | |
| OU GB 1W-19-8-22 | 19 | 080S | 220E | 4304734512 | 13469 | Federal | GW | P | |
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| OU GB 5W-19-8-22 | 19 | 080S | 220E | 4304734514 | 13460 | Federal | GW | P | |
| OU GB 7W-19-8-22 | 19 | 080S | 220E | 4304734515 | 13462 | Federal | GW | P | |
| OU GB 8W-19-8-22 | 19 | 080S | 220E | 4304734516 | 13489 | Federal | GW | P | |
| OU GB 11W-19-8-22 | 19 | 080S | 220E | 4304734517 | 13467 | Federal | GW | P | |
| OU GB 16W-19-8-22 | 19 | 080S | 220E | 4304734522 | 13476 | Federal | GW | P | |
| OU GB 1W-30-8-22 | 30 | 080S | 220E | 4304734528 | 13487 | Federal | GW | S | |
| OU GB 3W-30-8-22 | 30 | 080S | 220E | 4304734529 | 13493 | Federal | GW | P | |
| OU GB 6W-30-8-22 | 30 | 080S | 220E | 4304734530 | 13519 | Federal | GW | P | |
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| OU GB 8W-30-8-22 | 30 | 080S | 220E | 4304734532 | 13483 | Federal | GW | P | |
| OU GB 9W-30-8-22 | 30 | 080S | 220E | 4304734533 | 13500 | Federal | GW | P | |
| OU GB 6W-19-8-22 | 19 | 080S | 220E | 4304734534 | 13475 | Federal | GW | P | |
| OU GB 10W-19-8-22 | 19 | 080S | 220E | 4304734535 | 13479 | Federal | GW | P | |
| OU GB 13W-19-8-22 | 19 | 080S | 220E | 4304734536 | 13478 | Federal | GW | P | |
| OU GB 14W-19-8-22 | 19 | 080S | 220E | 4304734537 | 13484 | Federal | GW | P | |
| OU GB 15W-19-8-22 | 19 | 080S | 220E | 4304734538 | 13482 | Federal | GW | P | |
| OU GB 12W-17-8-22 | 17 | 080S | 220E | 4304734542 | 13543 | Federal | GW | P | |
| OU GB 6W-17-8-22 | 17 | 080S | 220E | 4304734543 | 13536 | Federal | GW | P | |
| OU GB 13W-17-8-22 | 17 | 080S | 220E | 4304734544 | 13547 | Federal | GW | P | |
| OU GB 6W-29-8-22 | 29 | 080S | 220E | 4304734545 | 13535 | Federal | GW | P | |
| OU GB 3W-29-8-22 | 29 | 080S | 220E | 4304734546 | 13509 | Federal | GW | P | |
| OU GB 13W-29-8-22 | 29 | 080S | 220E | 4304734547 | 13506 | Federal | GW | P | |
| OU GB 4W-29-8-22 | 29 | 080S | 220E | 4304734548 | 13534 | Federal | GW | P | |
| OU GB 5W-29-8-22 | 29 | 080S | 220E | 4304734549 | 13505 | Federal | GW | P | |
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| OU GB 11W-17-8-22 | 17 | 080S | 220E | 4304734553 | 13671 | Federal | GW | P | |
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| OU GB 7W-17-8-22 | 17 | 080S | 220E | 4304734560 | 13599 | Federal | GW | P | |
| OU GB 16W-18-8-22 | 18 | 080S | 220E | 4304734563 | 13559 | Federal | GW | P | |
| OU GB 1W-29-8-22 | 29 | 080S | 220E | 4304734573 | 13562 | Federal | GW | P | |
| OU GB 7W-29-8-22 | 29 | 080S | 220E | 4304734574 | 13564 | Federal | GW | P | |
| OU GB 8W-29-8-22 | 29 | 080S | 220E | 4304734575 | 13609 | Federal | GW | S | |
| OU GB 9W-29-8-22 | 29 | 080S | 220E | 4304734576 | 13551 | Federal | GW | P | |
| OU GB 10W-29-8-22 | 29 | 080S | 220E | 4304734577 | 13594 | Federal | GW | P | |
| OU GB 15W-29-8-22 | 29 | 080S | 220E | 4304734578 | 13569 | Federal | GW | P | |
| OU GB 2W-20-8-22 | 20 | 080S | 220E | 4304734599 | 13664 | Federal | GW | P | |
| OU GB 2W-29-8-22 | 29 | 080S | 220E | 4304734600 | 13691 | Federal | GW | P | |
| OU GB 15W-17-8-22 | 17 | 080S | 220E | 4304734601 | 13632 | Federal | GW | P | |
| OU GB 16W-17-8-22 | 17 | 080S | 220E | 4304734602 | 13639 | Federal | GW | P | |
| OU GB 16W-29-8-22 | 29 | 080S | 220E | 4304734603 | 13610 | Federal | GW | P | |
| OU GB 1W-20-8-22 | 20 | 080S | 220E | 4304734604 | 13612 | Federal | GW | P | |
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Bonds: BLM = ESB000024
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Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

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| OU WIH 15MU-21-8-22 | 21 | 080S | 220E | 4304734634 | 13991 | Federal | GW | P | |
| OU WIH 13W-21-8-22 | 21 | 080S | 220E | 4304734646 | 13745 | Federal | GW | P | |
| OU GB 11W-15-8-22 | 15 | 080S | 220E | 4304734648 | 13822 | Federal | GW | P | |
| OU GB 13W-9-8-22 | 09 | 080S | 220E | 4304734654 | 13706 | Federal | GW | P | |
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| OU GB 12WX-29-8-22 | 29 | 080S | 220E | 4304734668 | 13555 | Federal | GW | P | |
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| OU GB 4G-21-8-22 | 21 | 080S | 220E | 4304734685 | 13772 | Federal | OW | P | |
| OU GB 3W-21-8-22 | 21 | 080S | 220E | 4304734686 | 13746 | Federal | GW | P | |
| OU GB 16SG-30-8-22 | 30 | 080S | 220E | 4304734688 | 13593 | Federal | GW | P | |
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| OU GB 5W-21-8-22 | 21 | 080S | 220E | 4304734690 | 13770 | Federal | GW | P | |
| WIH 1MU-21-8-22 | 21 | 080S | 220E | 4304734693 | 14001 | Federal | GW | P | |
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| OU GB 7W-20-8-22 | 20 | 080S | 220E | 4304734705 | 13710 | Federal | GW | P | |
| OU SG 14W-15-8-22 | 15 | 080S | 220E | 4304734710 | 13821 | Federal | GW | P | |
| OU SG 15W-15-8-22 | 15 | 080S | 220E | 4304734711 | 13790 | Federal | GW | P | |
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| OU GB 14SG-29-8-22 | 29 | 080S | 220E | 4304734743 | 14034 | Federal | GW | P | |
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| OU GB 13W-10-8-22 | 10 | 080S | 220E | 4304734754 | 13774 | Federal | GW | P | |
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| OU SG 10W-10-8-22 | 10 | 080S | 220E | 4304734764 | 13751 | Federal | GW | P | |
| OU GB 14M-10-8-22 | 10 | 080S | 220E | 4304734768 | 13849 | Federal | GW | P | |
| OU SG 9W-10-8-22 | 10 | 080S | 220E | 4304734783 | 13725 | Federal | GW | P | |
| OU SG 16W-10-8-22 | 10 | 080S | 220E | 4304734784 | 13781 | Federal | GW | P | |
| SU BW 6M-7-7-22 | 07 | 070S | 220E | 4304734837 | 13966 | Federal | GW | P | |
| GB 3M-27-8-21 | 27 | 080S | 210E | 4304734900 | 14614 | Federal | GW | P | |
| WVX 11D-22-8-21 | 22 | 080S | 210E | 4304734902 | 14632 | Federal | GW | P | |
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| GB 9D-27-8-21 | 27 | 080S | 210E | 4304734956 | 14633 | Federal | GW | P | |
| GB 1D-27-8-21 | 27 | 080S | 210E | 4304734957 | 14634 | Federal | GW | P | |
| WRU EIH 2M-35-8-22 | 35 | 080S | 220E | 4304735052 | 13931 | Federal | GW | P | |
| GH 12MU-20-8-21 | 20 | 080S | 210E | 4304735069 | 14129 | Federal | GW | P | |
| OU SG 4W-11-8-22 | 11 | 080S | 220E | 4304735071 | 14814 | Federal | GW | OPS | C |
| OU SG 5W-11-8-22 | 11 | 080S | 220E | 4304735072 | 14815 | Federal | GW | OPS | C |
| SG 6ML-11-8-22 | 11 | 080S | 220E | 4304735073 | 14825 | Federal | GW | P | |
| OU SG 5MU-14-8-22 | 14 | 080S | 220E | 4304735076 | 13989 | Federal | GW | P | |
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Bonds: BLM = ESB000024
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Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

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| OU SG 9MU-11-8-22 | 11 | 080S | 220E | 4304735091 | 13967 | Federal | GW | P | |
| SG 11SG-23-8-22 | 23 | 080S | 220E | 4304735099 | 13901 | Federal | GW | TA | |
| OU SG 14W-11-8-22 | 11 | 080S | 220E | 4304735114 | 14797 | Federal | GW | OPS | C |
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| SG 12MU-23-8-22 | 23 | 080S | 220E | 4304735188 | 14412 | Federal | GW | P | |
| SG 13MU-23-8-22 | 23 | 080S | 220E | 4304735190 | 14103 | Federal | GW | P | |
| WH 7G-10-7-24 | 10 | 070S | 240E | 4304735241 | 14002 | Federal | GW | S | |
| GB 4D-28-8-21 | 28 | 080S | 210E | 4304735246 | 14645 | Federal | GW | P | |
| GB 7M-28-8-21 | 28 | 080S | 210E | 4304735247 | 14432 | Federal | GW | P | |
| GB 14M-28-8-21 | 28 | 080S | 210E | 4304735248 | 13992 | Federal | GW | P | |
| SG 11MU-23-8-22 | 23 | 080S | 220E | 4304735257 | 13973 | Federal | GW | P | |
| SG 15MU-14-8-22 | 14 | 080S | 220E | 4304735328 | 14338 | Federal | GW | P | |
| EIHX 14MU-25-8-22 | 25 | 080S | 220E | 4304735330 | 14501 | Federal | GW | P | |
| EIHX 11MU-25-8-22 | 25 | 080S | 220E | 4304735331 | 14470 | Federal | GW | P | |
| NBE 12ML-10-9-23 | 10 | 090S | 230E | 4304735333 | 14260 | Federal | GW | P | |
| NBE 13ML-17-9-23 | 17 | 090S | 230E | 4304735334 | 14000 | Federal | GW | P | |
| NBE 4ML-26-9-23 | 26 | 090S | 230E | 4304735335 | 14215 | Federal | GW | P | |
| SG 7MU-11-8-22 | 11 | 080S | 220E | 4304735374 | 14635 | Federal | GW | S | |
| SG 1MU-11-8-22 | 11 | 080S | 220E | 4304735375 | 14279 | Federal | GW | P | |
| OU SG 13W-11-8-22 | 11 | 080S | 220E | 4304735377 | 14796 | Federal | GW | OPS | C |
| SG 3MU-11-8-22 | 11 | 080S | 220E | 4304735379 | 14978 | Federal | GW | P | |
| SG 8MU-11-8-22 | 11 | 080S | 220E | 4304735380 | 14616 | Federal | GW | P | |
| SG 2MU-11-8-22 | 11 | 080S | 220E | 4304735381 | 14636 | Federal | GW | P | |
| SG 10MU-11-8-22 | 11 | 080S | 220E | 4304735382 | 14979 | Federal | GW | P | |
| SU 11MU-9-8-21 | 09 | 080S | 210E | 4304735412 | 14143 | Federal | GW | P | |
| OU GB 8MU-10-8-22 | 10 | 080S | 220E | 4304735422 | 15321 | Federal | GW | OPS | C |
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| EIHX 1MU-25-8-22 | 25 | 080S | 220E | 4304735428 | 14705 | Federal | GW | P | |
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| EIHX 9MU-25-8-22 | 25 | 080S | 220E | 4304735433 | 14558 | Federal | GW | P | |
| EIHX 16MU-25-8-22 | 25 | 080S | 220E | 4304735434 | 14502 | Federal | GW | P | |
| EIHX 15MU-25-8-22 | 25 | 080S | 220E | 4304735435 | 14571 | Federal | GW | P | |
| EIHX 10MU-25-8-22 | 25 | 080S | 220E | 4304735436 | 14537 | Federal | GW | P | |
| GB 3MU-3-8-22 | 03 | 080S | 220E | 4304735457 | 14575 | Federal | GW | P | |
| NBE 15M-17-9-23 | 17 | 090S | 230E | 4304735463 | 14423 | Federal | GW | P | |
| NBE 7ML-17-9-23 | 17 | 090S | 230E | 4304735464 | 14232 | Federal | GW | P | |
| NBE 3ML-17-9-23 | 17 | 090S | 230E | 4304735465 | 14276 | Federal | GW | P | |
| NBE 11M-17-9-23 | 17 | 090S | 230E | 4304735466 | 14431 | Federal | GW | P | |
| NBE 10ML-10-9-23 | 10 | 090S | 230E | 4304735650 | 14377 | Federal | GW | P | |
| NBE 6ML-10-9-23 | 10 | 090S | 230E | 4304735651 | 14422 | Federal | GW | P | |
| NBE 12ML-17-9-23 | 17 | 090S | 230E | 4304735652 | 14278 | Federal | GW | P | |
| NBE 6ML-26-9-23 | 26 | 090S | 230E | 4304735664 | 14378 | Federal | GW | P | |
| NBE 11ML-26-9-23 | 26 | 090S | 230E | 4304735665 | 14340 | Federal | GW | P | |
| NBE 15ML-26-9-23 | 26 | 090S | 230E | 4304735666 | 14326 | Federal | GW | P | |
| SG 4MU-23-8-22 | 23 | 080S | 220E | 4304735758 | 14380 | Federal | GW | P | |
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Bonds: BLM = ESB000024
BIA = 956010693
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Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

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| OU SG 14MU-14-8-22 | 14 | 080S | 220E | 4304735950 | 14479 | Federal | GW | P | |
| COY 12ML-24-8-24 | 24 | 080S | 240E | 4304736039 | 14592 | Federal | OW | P | |
| WIH 1AMU-21-8-22 | 21 | 080S | 220E | 4304736060 | 14980 | Federal | GW | P | |
| SU 8M-12-7-21 | 12 | 070S | 210E | 4304736096 | 16610 | Federal | GW | OPS | C |
| NBE 4ML-10-9-23 | 10 | 090S | 230E | 4304736098 | 15732 | Federal | GW | P | |
| NBE 8ML-10-9-23 | 10 | 090S | 230E | 4304736099 | 15733 | Federal | GW | P | |
| NBE 16ML-10-9-23 | 10 | 090S | 230E | 4304736100 | 14728 | Federal | GW | S | |
| SUBW 14M-7-7-22 | 07 | 070S | 220E | 4304736136 | 15734 | Federal | GW | P | |
| NBE 8ML-12-9-23 | 12 | 090S | 230E | 4304736143 | 15859 | Federal | GW | S | |
| GB 16D-28-8-21 | 28 | 080S | 210E | 4304736260 | 14981 | Federal | GW | P | |
| NBE 5ML-10-9-23 | 10 | 090S | 230E | 4304736353 | 15227 | Federal | GW | P | |
| NBE 7ML-10-9-23 | 10 | 090S | 230E | 4304736355 | 15850 | Federal | GW | P | |
| NBE 3ML-10-9-23 | 10 | 090S | 230E | 4304736356 | 15393 | Federal | GW | P | |
| EIHX 4MU-36-8-22 | 36 | 080S | 220E | 4304736444 | 14875 | Federal | GW | P | |
| EIHX 3MU-36-8-22 | 36 | 080S | 220E | 4304736445 | 14860 | Federal | GW | P | |
| EIHX 2MU-36-8-22 | 36 | 080S | 220E | 4304736446 | 14840 | Federal | GW | S | |
| EIHX 1MU-36-8-22 | 36 | 080S | 220E | 4304736447 | 14861 | Federal | GW | P | |
| NBE 7ML-26-9-23 | 26 | 090S | 230E | 4304736587 | 16008 | Federal | GW | P | |
| NBE 8ML-26-9-23 | 26 | 090S | 230E | 4304736588 | 15689 | Federal | GW | P | |
| NBE 1ML-26-9-23 | 26 | 090S | 230E | 4304736589 | 15880 | Federal | GW | P | |
| NBE 2ML-26-9-23 | 26 | 090S | 230E | 4304736590 | 15898 | Federal | GW | S | |
| NBE 3ML-26-9-23 | 26 | 090S | 230E | 4304736591 | 15906 | Federal | GW | P | |
| NBE 5ML-26-9-23 | 26 | 090S | 230E | 4304736592 | 15839 | Federal | GW | P | |
| NBE 9ML-10-9-23 | 10 | 090S | 230E | 4304736593 | 15438 | Federal | GW | P | |
| NBE 11ML-10-9-23 | 10 | 090S | 230E | 4304736594 | 15228 | Federal | GW | P | |
| NBE 15ML-10-9-23 | 10 | 090S | 230E | 4304736595 | 15439 | Federal | GW | P | |
| NBE 2ML-17-9-23 | 17 | 090S | 230E | 4304736614 | 15126 | Federal | GW | P | |
| NBE 4ML-17-9-23 | 17 | 090S | 230E | 4304736615 | 15177 | Federal | GW | P | |
| NBE 6ML-17-9-23 | 17 | 090S | 230E | 4304736616 | 15127 | Federal | GW | S | |
| NBE 10ML-17-9-23 | 17 | 090S | 230E | 4304736617 | 15128 | Federal | GW | P | |
| NBE 14ML-17-9-23 | 17 | 090S | 230E | 4304736618 | 15088 | Federal | GW | P | |
| NBE 9ML-26-9-23 | 26 | 090S | 230E | 4304736619 | 15322 | Federal | GW | P | |
| NBE 10D-26-9-23 | 26 | 090S | 230E | 4304736620 | 15975 | Federal | GW | S | |
| NBE 12ML-26-9-23 | 26 | 090S | 230E | 4304736621 | 15840 | Federal | GW | P | |
| NBE 13ML-26-9-23 | 26 | 090S | 230E | 4304736622 | 15690 | Federal | GW | P | |
| NBE 14ML-26-9-23 | 26 | 090S | 230E | 4304736623 | 15262 | Federal | GW | P | |
| NBE 16ML-26-9-23 | 26 | 090S | 230E | 4304736624 | 15735 | Federal | GW | P | |
| WF 1P-1-15-19 | 06 | 150S | 200E | 4304736781 | 14862 | Indian | GW | P | |
| SG 3MU-23-8-22 | 14 | 080S | 220E | 4304736940 | 15100 | Federal | GW | P | |
| NBE 5ML-17-9-23 | 17 | 090S | 230E | 4304736941 | 15101 | Federal | GW | P | |
| TU 14-9-7-22 | 09 | 070S | 220E | 4304737345 | 16811 | Federal | GW | OPS | C |
| WF 14C-29-15-19 | 29 | 150S | 190E | 4304737541 | 15178 | Indian | GW | P | |
| NBE 2ML-10-9-23 | 10 | 090S | 230E | 4304737619 | 15860 | Federal | GW | P | |
| GB 16ML-20-8-22 | 20 | 080S | 220E | 4304737664 | 15948 | Federal | GW | P | |
| WVX 8ML-5-8-22 | 05 | 080S | 220E | 4304738140 | | Federal | GW | APD | C |
| WVX 6ML-5-8-22 | 05 | 080S | 220E | 4304738141 | | Federal | GW | APD | C |
| WVX 1MU-17-8-21 | 17 | 080S | 210E | 4304738156 | | Federal | GW | APD | C |
| GH 8-20-8-21 | 20 | 080S | 210E | 4304738157 | | Federal | GW | APD | C |
| WVX 4MU-17-8-21 | 17 | 080S | 210E | 4304738190 | | Federal | GW | APD | C |

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

| well_name | sec | twp | rng | api | entity | mineral lease | type | stat | C |
|---|---|---|---|---|---|---|---|---|---|
| WVX 16MU-18-8-21 | 18 | 080S | 210E | 4304738191 | | Federal | GW | APD | C |
| GH 7D-19-8-21 | 19 | 080S | 210E | 4304738267 | 16922 | Federal | GW | P | |
| WF 8C-15-15-19 | 15 | 150S | 190E | 4304738405 | 17142 | Indian | GW | OPS | C |
| WVX 1MU-18-8-21 | 18 | 080S | 210E | 4304738659 | | Federal | GW | APD | C |
| WVX 9MU-18-8-21 | 18 | 080S | 210E | 4304738660 | | Federal | GW | APD | C |
| GB 12SG-29-8-22 | 29 | 080S | 220E | 4304738766 | 16096 | Federal | GW | S | |
| GB 10SG-30-8-22 | 30 | 080S | 220E | 4304738767 | 16143 | Federal | GW | S | |
| FR 14P-20-14-20 | 20 | 140S | 200E | 4304739168 | 16179 | Federal | GW | P | |
| SU 11M-8-7-22 | 08 | 070S | 220E | 4304739175 | | Federal | GW | APD | C |
| HB 2M-9-7-22 | 09 | 070S | 220E | 4304739176 | | Federal | GW | APD | C |
| SUMA 4M-20-7-22 | 20 | 070S | 220E | 4304739177 | | Federal | GW | APD | C |
| SU 16M-31-7-22 | 31 | 070S | 220E | 4304739178 | | Federal | GW | APD | C |
| FR 13P-20-14-20 | 20 | 140S | 200E | 4304739226 | 16719 | Federal | GW | P | |
| SG 11BML-23-8-22 | 23 | 080S | 220E | 4304739230 | | Federal | GW | APD | C |
| SG 12DML-23-8-22 | 23 | 080S | 220E | 4304739231 | | Federal | GW | APD | C |
| GB 1CML-29-8-22 | 29 | 080S | 220E | 4304739232 | | Federal | GW | APD | C |
| NBE 8CD-10-9-23 | 10 | 090S | 230E | 4304739341 | 16513 | Federal | GW | P | |
| NBE 15AD-10-9-23 | 10 | 090S | 230E | 4304739342 | | Federal | GW | APD | C |
| NBE 6DD-10-9-23 | 10 | 090S | 230E | 4304739343 | | Federal | GW | APD | C |
| NBE 6AD-10-9-23 | 10 | 090S | 230E | 4304739344 | | Federal | GW | APD | C |
| NBE 6BD-10-9-23 | 10 | 090S | 230E | 4304739345 | | Federal | GW | APD | C |
| NBE 5DD-10-9-23 | 10 | 090S | 230E | 4304739346 | 16574 | Federal | GW | P | |
| NBE 7BD-17-9-23 | 17 | 090S | 230E | 4304739347 | | Federal | GW | APD | C |
| NBE 4DD-17-9-23 | 17 | 090S | 230E | 4304739348 | 16743 | Federal | GW | P | |
| NBE 10CD-17-9-23 | 17 | 090S | 230E | 4304739349 | 16616 | Federal | GW | P | |
| NBE 11CD-17-9-23 | 17 | 090S | 230E | 4304739350 | | Federal | GW | APD | C |
| NBE 8BD-26-9-23 | 26 | 090S | 230E | 4304739351 | 16617 | Federal | GW | P | |
| NBE 3DD-26-9-23 | 26 | 090S | 230E | 4304739352 | | Federal | GW | APD | C |
| NBE 3CD-26-9-23 | 26 | 090S | 230E | 4304739353 | | Federal | GW | APD | C |
| NBE 7DD-26-9-23 | 26 | 090S | 230E | 4304739354 | | Federal | GW | APD | C |
| NBE 12AD-26-9-23 | 26 | 090S | 230E | 4304739355 | | Federal | GW | APD | C |
| NBE 5DD-26-9-23 | 26 | 090S | 230E | 4304739356 | | Federal | GW | APD | C |
| NBE 13AD-26-9-23 | 26 | 090S | 230E | 4304739357 | | Federal | GW | APD | C |
| NBE 14AD-26-9-23 | 26 | 090S | 230E | 4304739358 | | Federal | GW | APD | C |
| NBE 9CD-26-9-23 | 26 | 090S | 230E | 4304739359 | | Federal | GW | APD | C |
| FR 9P-20-14-20 | 20 | 140S | 200E | 4304739461 | 17025 | Federal | GW | S | |
| FR 13P-17-14-20 | 17 | 140S | 200E | 4304739462 | | Federal | GW | APD | C |
| FR 9P-17-14-20 | 17 | 140S | 200E | 4304739463 | 16829 | Federal | GW | P | |
| FR 10P-20-14-20 | 20 | 140S | 200E | 4304739465 | | Federal | GW | APD | C |
| FR 5P-17-14-20 | 17 | 140S | 200E | 4304739509 | | Federal | GW | APD | C |
| FR 15P-17-14-20 | 17 | 140S | 200E | 4304739510 | | Federal | GW | APD | C |
| FR 11P-20-14-20 | 20 | 140S | 200E | 4304739587 | | Federal | GW | APD | |
| FR 5P-20-14-20 | 20 | 140S | 200E | 4304739588 | | Federal | GW | APD | C |
| FR 9P-21-14-20 | 21 | 140S | 200E | 4304739589 | | Federal | GW | APD | C |
| FR 13P-21-14-20 | 21 | 140S | 200E | 4304739590 | | Federal | GW | APD | C |
| GB 7D-27-8-21 | 27 | 080S | 210E | 4304739661 | | Federal | GW | APD | C |
| GB 15D-27-8-21 | 27 | 080S | 210E | 4304739662 | 16830 | Federal | GW | P | |
| WV 13D-23-8-21 | 23 | 080S | 210E | 4304739663 | 16813 | Federal | GW | P | |
| WV 15D-23-8-21 | 23 | 080S | 210E | 4304739664 | 16924 | Federal | GW | P | |
| FR 14P-17-14-20 | 17 | 140S | 200E | 4304739807 | | Federal | GW | APD | C |
| FR 12P-20-14-20 | 20 | 140S | 200E | 4304739808 | | Federal | GW | APD | C |

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
effective June 14, 2010

| well_name | sec | twp | rng | api | entity | mineral lease | type | stat | C |
|---|---|---|---|---|---|---|---|---|---|
| FR 6P-20-14-20 | 20 | 140S | 200E | 4304739809 | 16925 | Federal | GW | P | |
| FR 3P-21-14-20 | 21 | 140S | 200E | 4304739810 | | Federal | GW | APD | C |
| FR 4P-21-14-20 | 21 | 140S | 200E | 4304739811 | 16771 | Federal | GW | P | |
| FR 8P-21-14-20 | 21 | 140S | 200E | 4304739812 | | Federal | GW | APD | C |
| FR 15P-21-14-20 | 21 | 140S | 200E | 4304739815 | | Federal | GW | APD | C |
| FR 2P-20-14-20 | 20 | 140S | 200E | 4304740053 | | Federal | GW | APD | |
| FR 2P-21-14-20 | 21 | 140S | 200E | 4304740200 | | Federal | GW | APD | C |
| WV 11-23-8-21 | 23 | 080S | 210E | 4304740303 | | Federal | GW | APD | C |
| GB 12-27-8-21 | 27 | 080S | 210E | 4304740304 | | Federal | GW | APD | C |
| GH 11C-20-8-21 | 20 | 080S | 210E | 4304740352 | | Federal | GW | APD | C |
| GH 15A-20-8-21 | 20 | 080S | 210E | 4304740353 | | Federal | GW | APD | C |
| GH 10BD-21-8-21 | 21 | 080S | 210E | 4304740354 | | Federal | GW | APD | C |
| FR 11P-21-14-20 | 21 | 140S | 200E | 4304740366 | | Federal | GW | APD | C |
| MELANGE U 1 | 09 | 140S | 200E | 4304740399 | | Federal | GW | APD | C |
| OP 16G-12-7-20 | 12 | 070S | 200E | 4304740481 | 17527 | Federal | OW | DRL | C |
| OP 4G-12-7-20 | 12 | 070S | 200E | 4304740482 | | Federal | OW | APD | C |
| WF 8D-21-15-19 | 21 | 150S | 190E | 4304740489 | | Indian | GW | APD | C |
| WF 15-21-15-19 | 21 | 150S | 190E | 4304740490 | | Indian | GW | APD | |
| WF 4D-22-15-19 | 22 | 150S | 190E | 4304740491 | | Indian | GW | APD | C |

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

# United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov/ut/st/en.html

IN REPLY REFER TO:
3100
(UT-922)

JUL 28 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals Roger L Bankert

Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-140740

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** GH 8-20-8-21

**2. NAME OF OPERATOR:** QEP ENERGY COMPANY

**9. API NUMBER:** 43047381570000

**3. ADDRESS OF OPERATOR:** 11002 East 17500 South , Vernal, Ut, 84078

**PHONE NUMBER:** 303 308-3068 Ext

**9. FIELD and POOL or WILDCAT:** GYPSUM HILLS

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 2083 FNL 0379 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SENE Section: 20 Township: 08.0S Range: 21.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start: 6/7/2012 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

QEP Energy Company hereby requests a one year extension for the APD on the above captioned well.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** 06/07/2011

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Valyn Davis | 435 781-4369 | Regulatory Affairs Analyst |
| **SIGNATURE** | | **DATE** |
| N/A | | 6/6/2011 |

**RECEIVED** Jun. 06, 2011


**The Utah Division of Oil, Gas, and Mining**

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047381570000

**API:** 43047381570000
**Well Name:** GH 8-20-8-21
**Location:** 2083 FNL 0379 FEL QTR SENE SEC 20 TWNP 080S RNG 210E MER S
**Company Permit Issued to:** QEP ENERGY COMPANY
**Date Original Permit Issued:** 6/7/2006

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Valyn Davis **Date:** 6/6/2011
**Title:** Regulatory Affairs Analyst **Representing:** QEP ENERGY COMPANY

**RECEIVED** Jun. 06, 2011

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-140740

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** GH 8-20-8-21

**2. NAME OF OPERATOR:** QEP ENERGY COMPANY

**9. API NUMBER:** 43047381570000

**3. ADDRESS OF OPERATOR:** 11002 East 17500 South , Vernal, Ut, 84078

**PHONE NUMBER:** 303 308-3068 Ext

**9. FIELD and POOL or WILDCAT:** GYPSUM HILLS

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 2083 FNL 0379 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SENE Section: 20 Township: 08.0S Range: 21.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT Approximate date work will start: 6/7/2013 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

QEP ENERGY COMPANY HEREBY REQUESTS A ONE YEAR EXTENSION FOR THE APD ON THE ABOVE CAPTIONED WELL.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** June 07, 2012

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Valyn Davis | 435 781-4369 | Regulatory Affairs Analyst |
| **SIGNATURE** N/A | | **DATE** 6/5/2012 |

RECEIVED: Jun. 05, 2012

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047381570000

**API:** 43047381570000
**Well Name:** GH 8-20-8-21
**Location:** 2083 FNL 0379 FEL QTR SENE SEC 20 TWNP 080S RNG 210E MER S
**Company Permit Issued to:** QEP ENERGY COMPANY
**Date Original Permit Issued:** 6/7/2006

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Valyn Davis **Date:** 6/5/2012
**Title:** Regulatory Affairs Analyst **Representing:** QEP ENERGY COMPANY

RECEIVED: Jun. 05, 2012

**STATE OF UTAH**
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

# ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078
Phone Number: (435) 781-7024

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|---|---|---|---|---|---|---|
| Various | NBU REVISION | | | | | | UINTAH |
| **Action Code** | **Current Entity Number** | **New Entity Number** | **Spud Date** | | | **Entity Assignment Effective Date** | |
| E | Various | 2900 | 3/13/2012 | | | 2/1/2012 | |

**Comments:** MOVE THE ATTACHED WELLS INTO THE NATURAL BUTTES UNIT REVISION EFFECTIVE 02/01/2012. 72 wells 5/31/2012

Well 2

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Action Code** | **Current Entity Number** | **New Entity Number** | **Spud Date** | | | **Entity Assignment Effective Date** | |
| | | | | | | | |

**Comments:**

Well 3

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Action Code** | **Current Entity Number** | **New Entity Number** | **Spud Date** | | | **Entity Assignment Effective Date** | |
| | | | | | | | |

**Comments:**

**ACTION CODES:**

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

SHEILA WOPSOCK
Name (Please Print)
Signature
REGULATORY ANALYST
Title
5/30/2012
Date

RECEIVED
MAY 31 2012
Div. of Oil, Gas & Mining

(5/2000)

**Entity Action Form Attachment for wells moved into the Natural Buttes Unit Effective 02/01/2012.**

| API | Well Name | QTR/QTR | orig entity Section | TWNSHP | RANGE | Producing Intervals |
|---|---|---|---|---|---|---|
| 4304737079 | FEDERAL 920-25I | NESE | 15431 | 25 9S | 20E | WASATCH/MESAVERDE |
| 4304737080 | FEDERAL 920-25H | SENE | 15761 | 25 9S | 20E | WASATCH/MESAVERDE |
| 4304737081 | FEDERAL 920-25A | NENE | 15553 | 25 9S | 20E | WASATCH/MESAVERDE from MVRD |
| 4304739098 | STATE 1021-28M | SWSW | 16499 | 28 10S | 21E | WASATCH To WSMVD |
| 4304737918 | FEDERAL 1021-26L | NWSW | 16390 | 26 10S | 21E | MESAVERDE To WSMVD |
| 4304737919 | FEDERAL 1021-26N | SESW | 16391 | 26 10S | 21E | WASATCH/MESAVERDE |
| 4304737916 | FEDERAL 1021-25O | SWSE | 16277 | 25 10S | 21E | WASATCH/MESAVERDE |
| 4304739112 | STATE 1021-31M | SWSW | 16454 | 31 10S | 21E | WASATCH To WSMVD |
| 4304739127 | STATE 1021-32P | SESE | 16471 | 32 10S | 21E | WASATCH/MESAVERDE |
| 4304739128 | STATE 1021-32O | SWSE | 17513 | 32 10S | 21E | WASATCH/MESAVERDE |
| 4304739131 | STATE 1021-32L | NWSW | 16902 | 32 10S | 21E | WASATCH/MESAVERDE |
| 4304739133 | STATE 1021-32J | NWSE | 17529 | 32 10S | 21E | WASATCH/MESAVERDE |
| 4304739134 | STATE 1021-32I | NESE | 16905 | 32 10S | 21E | WSMVD |
| 4304739135 | STATE 1021-32H | SENE | 17528 | 32 10S | 21E | WASATCH/MESAVERDE |
| 4304735714 | FEDERAL 1022-29H | SENE | 15147 | 29 10S | 22E | WASATCH/MESAVERDE |
| 4304735715 | FEDERAL 1022-29F | SENW | 15162 | 29 10S | 22E | WASATCH/MESAVERDE |
| 4304735716 | FEDERAL 1022-29B | NWNE | 14982 | 29 10S | 22E | WASATCH/MESAVERDE |
| 4304735737 | FEDERAL 1022-29I | NESE | 15001 | 29 10S | 22E | WASATCH/MESAVERDE |
| 4304735738 | FEDERAL 1022-29D | NWNW | 15016 | 29 10S | 22E | MESAVERDE To WSMVD |
| 4304734862 | FEDERAL 31-10-22 | SESE | 13879 | 31 10S | 22E | MESAVERDE To WSMVD |
| 4304735173 | FEDERAL 1022-31D | NWNW | 14132 | 31 10S | 22E | WASATCH/MESAVERDE |
| 4304736492 | FEDERAL 1022-31N | SESW | 16255 | 31 10S | 22E | WASATCH/MESAVERDE |
| 4304736493 | FEDERAL 1022-31I | NESE | 15089 | 31 10S | 22E | WASATCH/MESAVERDE |
| 4304736494 | FEDERAL 1022-31G | SWNE | 15075 | 31 10S | 22E | WASATCH/MESAVERDE |
| 4304736495 | FEDERAL 1022-31F | SENE | 15230 | 31 10S | 22E | WASATCH/MESAVERDE |
| 4304736574 | FEDERAL 1022-31C | NENW | 15090 | 31 10S | 22E | WASATCH/MESAVERDE |
| 4304736575 | FEDERAL 1022-31J | NWSE | 15214 | 31 10S | 22E | WASATCH/MESAVERDE |
| 4304736576 | FEDERAL 1022-31L | NWSW | 16276 | 31 10S | 22E | WASATCH/MESAVERDE |
| 4304734317 | STATE 1-32 | NESW | 13419 | 32 10S | 22E | WASATCH/MESAVERDE |
| 4304734831 | STATE 2-32 | SESW | 13842 | 32 10S | 22E | MESAVERDE To WSMVD |
| 4304734832 | STATE 3-32 | NWSW | 13844 | 32 10S | 22E | WASATCH/MESAVERDE |
| 4304735095 | STATE 1022-32J | NWSE | 14097 | 32 10S | 22E | WSMVD |
| 4304735096 | STATE 1022-32A | NENE | 13914 | 32 10S | 22E | WASATCH/MESAVERDE |
| 4304735186 | STATE 1022-32P | SESE | 14131 | 32 10S | 22E | MESAVERDE To WSMVD |
| 4304735315 | STATE 1022-32O | SWSE | 14114 | 32 10S | 22E | WASATCH/MESAVERDE |
| 4304735647 | STATE 1022-32H | SENE | 14348 | 32 10S | 22E | MESAVERDE To WSMVD |
| 4304736413 | STATE 1021-36O | SWSE | 15619 | 36 10S | 21E | WASATCH/MESAVERDE |
| *4304738157 | WELL BELONGS TO QEP ENERGY CORP "GH 8-20-8-21" PERMIT NOT APPROVED | | | | | |
| 4304734839 | FEDERAL 1022-15F | SENW | 14618 | 15 10S | 22E | WASATCH/MESAVERDE |
| 4304736414 | STATE 1021-36J | NWSE | 15651 | 36 10S | 21E | WASATCH/MESAVERDE |
| 4304738152 | STATE 1021-36L | NWSW | 16012 | 36 10S | 21E | WASATCH/MESAVERDE |
| 4304735440 | FEDERAL 1022-15J | NWSE | 14617 | 15 10S | 22E | WASATCH/MESAVERDE |
| 4304736415 | STATE 1021-36I | NESE | 15684 | 36 10S | 21E | WASATCH/MESAVERDE |
| 4304738845 | STATE 1021-36D | NWNW | 16455 | 36 10S | 21E | WASATCH/MESAVERDE |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4304750096 | FEDERAL 1022-27H | SENE | 17626 | 27 | 10S | 22E | WASATCH/MESAVERDE |
| 4304736416 | STATE 1021-36H | SENE | 15335 | 36 | 10S | 21E | WASATCH/MESAVERDE |
| 4304738846 | STATE 1021-36E | SWNW | 16523 | 36 | 10S | 21E | WASATCH/MESAVERDE |
| 4304735676 | FEDERAL 1022-28L | NWSW | 15110 | 28 | 10S | 22E | WASATCH/MESAVERDE |
| 4304736417 | STATE 1021-36G | SWNE | 15297 | 36 | 10S | 21E | WASATCH/MESAVERDE |
| 4304738847 | STATE 1021-36F | SENW | 16394 | 36 | 10S | 21E | WASATCH/MESAVERDE |
| 4304735713 | FEDERAL 1022-28N | SESW | 15145 | 28 | 10S | 22E | WASATCH/MESAVERDE |
| 4304736418 | STATE 1021-36B | NWNE | 14953 | 36 | 10S | 21E | WASATCH/MESAVERDE |
| 4304738848 | STATE 1021-36N | SESW | 16359 | 36 | 10S | 21E | WASATCH/MESAVERDE |
| 4304735735 | FEDERAL 1022-28O | SWSE | 15285 | 28 | 10S | 22E | WASATCH/MESAVERDE from MVRD |
| 4304736419 | STATE 1021-36A | NENE | 15035 | 36 | 10S | 21E | WASATCH/MESAVERDE |
| 4304738849 | STATE 1021-36K | NESW | 16084 | 36 | 10S | 21E | WASATCH/MESAVERDE |
| 4304735736 | FEDERAL 1022-28M | SWSW | 15286 | 28 | 10S | 22E | WASATCH/MESAVERDE |
| 4304736420 | STATE 1021-36P | SESE | 15372 | 36 | 10S | 21E | WASATCH/MESAVERDE |
| 4304738850 | STATE 1021-36C | NENW | 16396 | 36 | 10S | 21E | WASATCH/MESAVERDE |
| 4304734861 | FEDERAL 29-10-22 | SESE | 14006 | 29 | 10S | 22E | MESAVERDE To WSMVD |
| 4304735577 | FEDERAL 1022-33O | SWSE | 15080 | 33 | 10S | 22E | WASATCH/MESAVERDE |
| 4304735739 | FEDERAL 1022-33E | SWNW | 15193 | 33 | 10S | 22E | WASATCH/MESAVERDE |
| 4304735740 | FEDERAL 1022-33M | SWSW | 15373 | 33 | 10S | 22E | WASATCH/MESAVERDE |
| 4304735741 | FEDERAL 1022-33L | NWSW | 15511 | 33 | 10S | 22E | WASATCH/MESAVERDE |
| 4304735742 | FEDERAL 1022-33G | SWNE | 15404 | 33 | 10S | 22E | WASATCH/MESAVERDE from MVRD |
| 4304735743 | FEDERAL 1022-33C | NENW | 15405 | 33 | 10S | 22E | WASATCH/MESAVERDE |
| 4304735744 | FEDERAL 1022-33A | NENE | 15539 | 33 | 10S | 22E | WASATCH/MESAVERDE |
| 4304737105 | FEDERAL 1022-33D | NWNW | 16502 | 33 | 10S | 22E | WASATCH/MESAVERDE |
| 4304737106 | FEDERAL 1022-33F | SENW | 16560 | 33 | 10S | 22E | WASATCH/MESAVERDE from WSTC |
| 4304737107 | FEDERAL 1022-33K | NESW | 16124 | 33 | 10S | 22E | WASATCH/MESAVERDE |
| 4304737109 | FEDERAL 1022-33N | SESW | 16126 | 33 | 10S | 22E | WASATCH/MESAVERDE |
| 4304737110 | FEDERAL 1022-33B | NWNE | 16561 | 33 | 10S | 22E | WASATCH/MESAVERDE |
| 4304735810 | STATE 1021-36E | SWNW | 14295 | 36 | 10S | 21E | WASATCH/MESAVERDE |

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

**5.LEASE DESIGNATION AND SERIAL NUMBER:** UTU-140740

**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** GH 8-20-8-21

**2. NAME OF OPERATOR:** QEP ENERGY COMPANY

**9. API NUMBER:** 43047381570000

**3. ADDRESS OF OPERATOR:** 11002 East 17500 South , Vernal, Ut, 84078

**PHONE NUMBER:** 303 308-3068 Ext

**9. FIELD and POOL or WILDCAT:** GYPSUM HILLS

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 2083 FNL 0379 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SENE Section: 20 Township: 08.0S Range: 21.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT Approximate date work will start: 6/7/2014 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| ☐ SUBSEQUENT REPORT Date of Work Completion: | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| ☐ SPUD REPORT Date of Spud: | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

QEP ENERGY COMPANY HEREBY REQUESTS A ONE YEAR EXTENSION FOR THE APD ON THE ABOVE CAPTIONED WELL.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** June 04, 2013

**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Valyn Davis | 435 781-4369 | Regulatory Affairs Analyst |
| **SIGNATURE** N/A | | **DATE** 6/3/2013 |

RECEIVED: Jun. 03, 2013

## The Utah Division of Oil, Gas, and Mining

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047381570000

**API:** 43047381570000
**Well Name:** GH 8-20-8-21
**Location:** 2083 FNL 0379 FEL QTR SENE SEC 20 TWNP 080S RNG 210E MER S
**Company Permit Issued to:** QEP ENERGY COMPANY
**Date Original Permit Issued:** 6/7/2006

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Valyn Davis **Date:** 6/3/2013
**Title:** Regulatory Affairs Analyst **Representing:** QEP ENERGY COMPANY

RECEIVED: Jun. 03, 2013

# STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

## SUNDRY NOTICES AND REPORTS ON WELLS

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**6. IF INDIAN, ALLOTTEE OR TRIBE NAME:** UTE

**7.UNIT or CA AGREEMENT NAME:**

**1. TYPE OF WELL** Gas Well

**8. WELL NAME and NUMBER:** GH 8-20-8-21

**2. NAME OF OPERATOR:** QEP ENERGY COMPANY

**9. API NUMBER:** 43047381570000

**3. ADDRESS OF OPERATOR:** 11002 East 17500 South , Vernal, Ut, 84078

**PHONE NUMBER:** 303 308-3068 Ext

**9. FIELD and POOL or WILDCAT:** GYPSUM HILLS

**4. LOCATION OF WELL**
**FOOTAGES AT SURFACE:** 2083 FNL 0379 FEL
**QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SENE Section: 20 Township: 08.0S Range: 21.0E Meridian: S

**COUNTY:** UINTAH

**STATE:** UTAH

**11.** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

| TYPE OF SUBMISSION | TYPE OF ACTION | | |
|---|---|---|---|
| ✓ NOTICE OF INTENT<br>Approximate date work will start: 6/7/2015 | ☐ ACIDIZE | ☐ ALTER CASING | ☐ CASING REPAIR |
| | ☐ CHANGE TO PREVIOUS PLANS | ☐ CHANGE TUBING | ☐ CHANGE WELL NAME |
| | ☐ CHANGE WELL STATUS | ☐ COMMINGLE PRODUCING FORMATIONS | ☐ CONVERT WELL TYPE |
| ☐ SUBSEQUENT REPORT<br>Date of Work Completion: | ☐ DEEPEN | ☐ FRACTURE TREAT | ☐ NEW CONSTRUCTION |
| | ☐ OPERATOR CHANGE | ☐ PLUG AND ABANDON | ☐ PLUG BACK |
| | ☐ PRODUCTION START OR RESUME | ☐ RECLAMATION OF WELL SITE | ☐ RECOMPLETE DIFFERENT FORMATION |
| ☐ SPUD REPORT<br>Date of Spud: | ☐ REPERFORATE CURRENT FORMATION | ☐ SIDETRACK TO REPAIR WELL | ☐ TEMPORARY ABANDON |
| | ☐ TUBING REPAIR | ☐ VENT OR FLARE | ☐ WATER DISPOSAL |
| ☐ DRILLING REPORT<br>Report Date: | ☐ WATER SHUTOFF | ☐ SI TA STATUS EXTENSION | ✓ APD EXTENSION |
| | ☐ WILDCAT WELL DETERMINATION | ☐ OTHER | OTHER: |

**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.**

QEP ENERGY COMPANY HEREBY REQUESTS A ONE YEAR EXTENSION FOR THE APD ON THE ABOVE CAPTIONED WELL.

**Approved by the Utah Division of Oil, Gas and Mining**
June 05, 2014
**Date:**
**By:**

| NAME (PLEASE PRINT) | PHONE NUMBER | TITLE |
|---|---|---|
| Valyn Davis | 435 781-4369 | Regulatory Affairs Analyst |
| **SIGNATURE** N/A | | **DATE** 6/5/2014 |

RECEIVED: Jun. 05, 2014


**The Utah Division of Oil, Gas, and Mining**

**- State of Utah**
**- Department of Natural Resources**

**Electronic Permitting System - Sundry Notices**

## Request for Permit Extension Validation Well Number 43047381570000

**API:** 43047381570000
**Well Name:** GH 8-20-8-21
**Location:** 2083 FNL 0379 FEL QTR SENE SEC 20 TWNP 080S RNG 210E MER S
**Company Permit Issued to:** QEP ENERGY COMPANY
**Date Original Permit Issued:** 6/7/2006

**The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.**

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
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- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

**Signature:** Valyn Davis **Date:** 6/5/2014
**Title:** Regulatory Affairs Analyst **Representing:** QEP ENERGY COMPANY

RECEIVED: Jun. 05, 2014

GARY R. HERBERT
*Governor*
SPENCER J. COX
*Lieutenant Governor*

# State of Utah
**DEPARTMENT OF NATURAL RESOURCES**
MICHAEL R. STYLER
*Executive Director*
**Division of Oil, Gas and Mining**
JOHN R. BAZA
*Division Director*

June 4, 2015

43 047 38157
GH 8-20-8-21
20 8S 21E

Valyn Davis
QEP Energy Company
11002 E 17500 S
Vernal, UT 84087

Re: APDs Rescinded QEP Energy Company, Uintah County

Dear Ms. Davis:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of June 4, 2015.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

→ 43-047-38157- GH 8-20-8-21
43-047-40602- RW 12-17FG